

Fig. 2

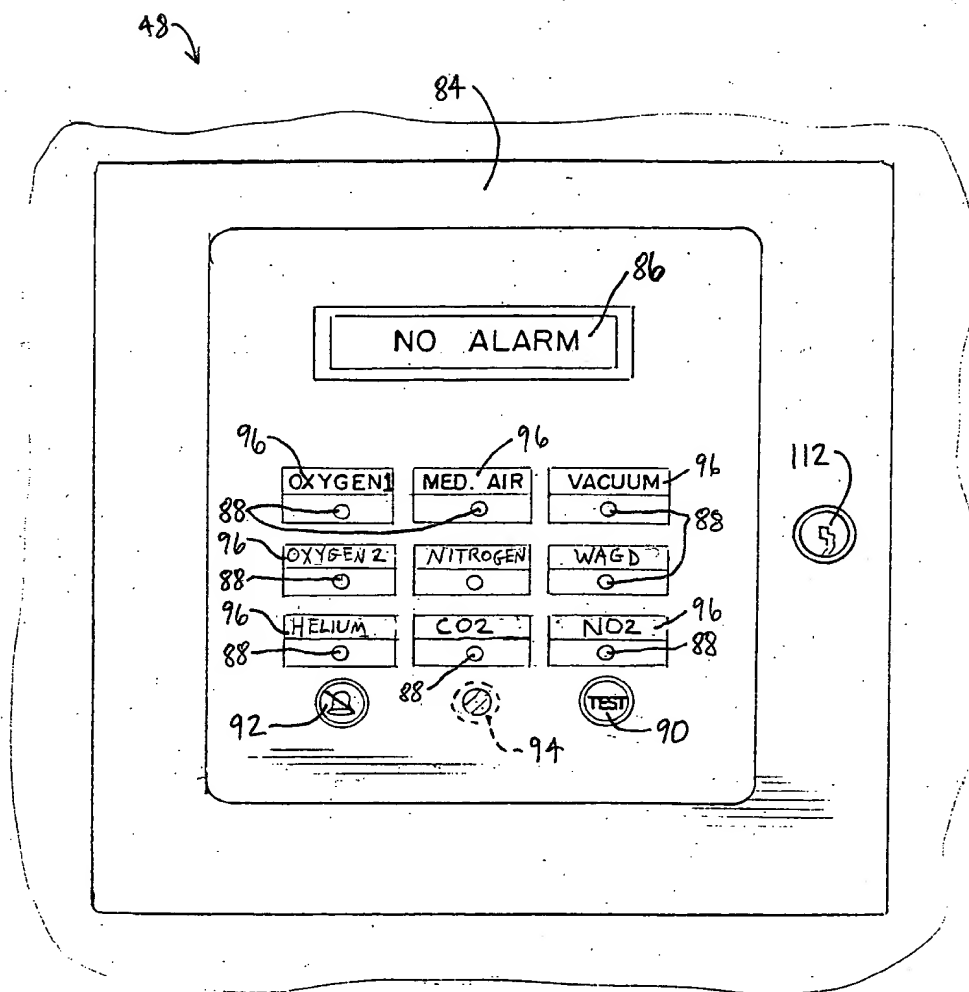


Fig. 3

Fig. 4

The diagram illustrates a medical control panel with three columns of controls. Each column features a top display (51, 47, 17), a middle section with a label (OXYGEN, MEDICAL AIR, VACUUM) and three gauges (S, T, V), and a bottom section with a large square display and a small rectangular display. A power button is located on the right side. Numerous reference numerals (154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 176, 178, 180, 184, 186, 194) point to various components.

50 →

212 ✓

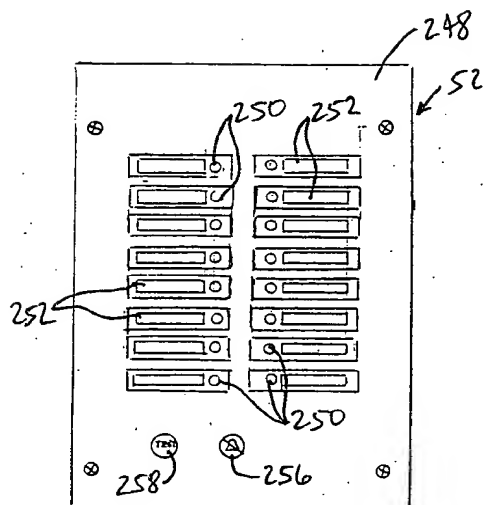


Fig. 7

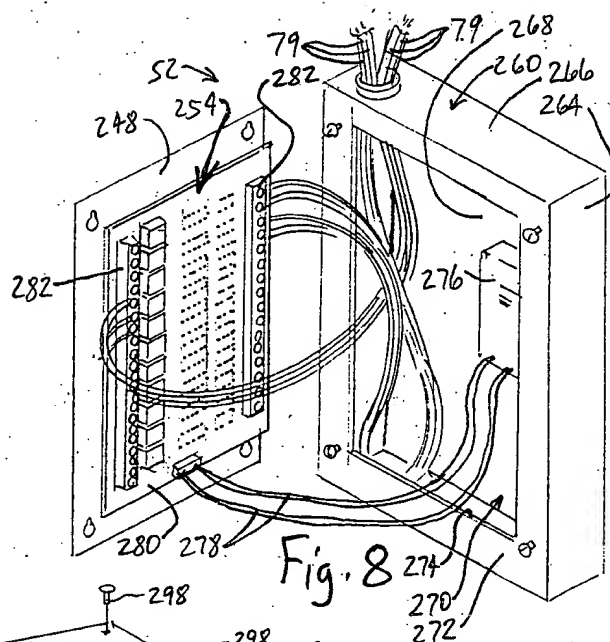


Fig. 8

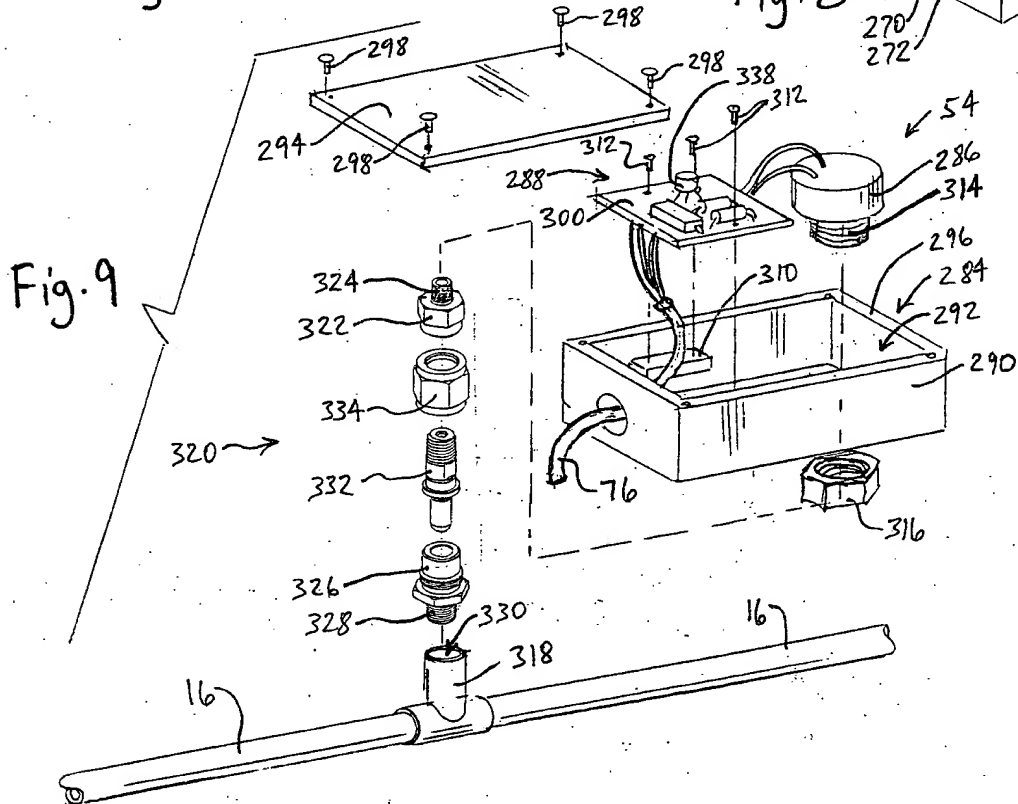


Fig. 9

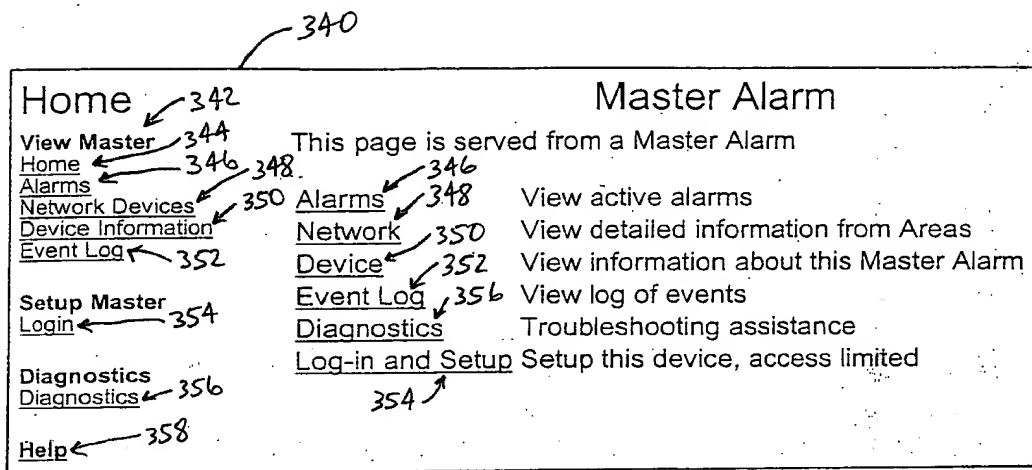


Fig. 10

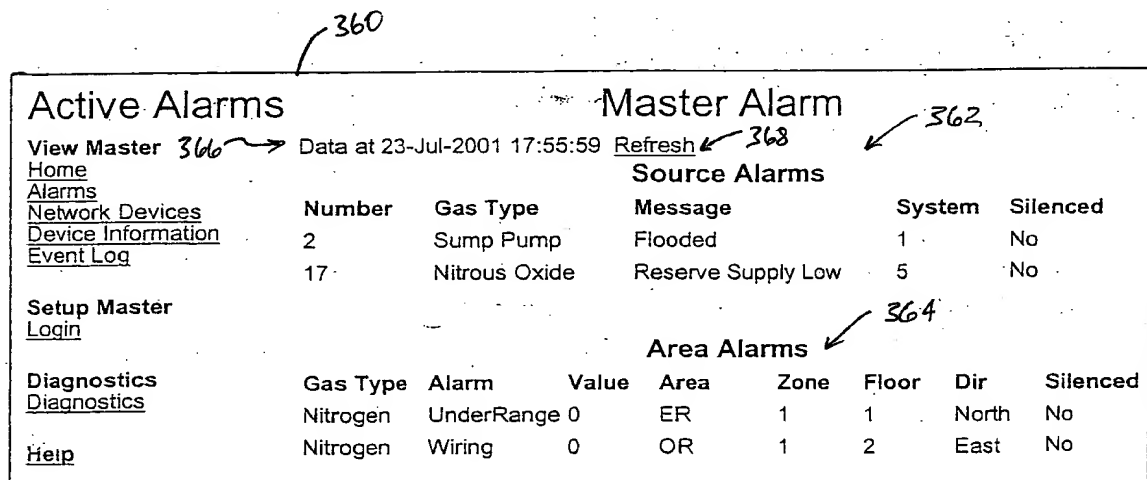


Fig. 11

374 370 376

Network Devices				Master Alarm							
View Master	Device	Jump	View	Type	SN	Area	Zone	Floor	Direction	Status	Alarms
Home	This Master	Jump	View	AreaComms	40000	General			North	OK	None
Alarms	Master49000	Jump	View	AreaComms	49000	ER		2	East	OK	None
Network Devices	Area390001	Jump	View	AreaComms	39001	ENG	1	2	North	OK	None
Device Information	Area39002	Jump	View	AreaComms	39002	CR			North	OK	None
Event Log	Area39003	Jump	View	AreaComms	39003	PACU	3		North	OK	None
Setup Master	Area39004	Jump	View	AreaComms	39004	CGU			East	OK	None
Login	Area39005	Jump	View	AreaComms	39005	ENG			North	OK	None
Diagnostics	Area39006	Jump	View	AreaComms	39006	OR			South	OK	None
Diagnostics	Area39007	Jump	View	AreaComms	39007	PACU	3		East	OK	None
Help	Area39008	Jump	View	AreaComms	39008	ER			East	OK	None
	Area39009	Jump	View	AreaComms	39009	CGU	3		North	OK	None

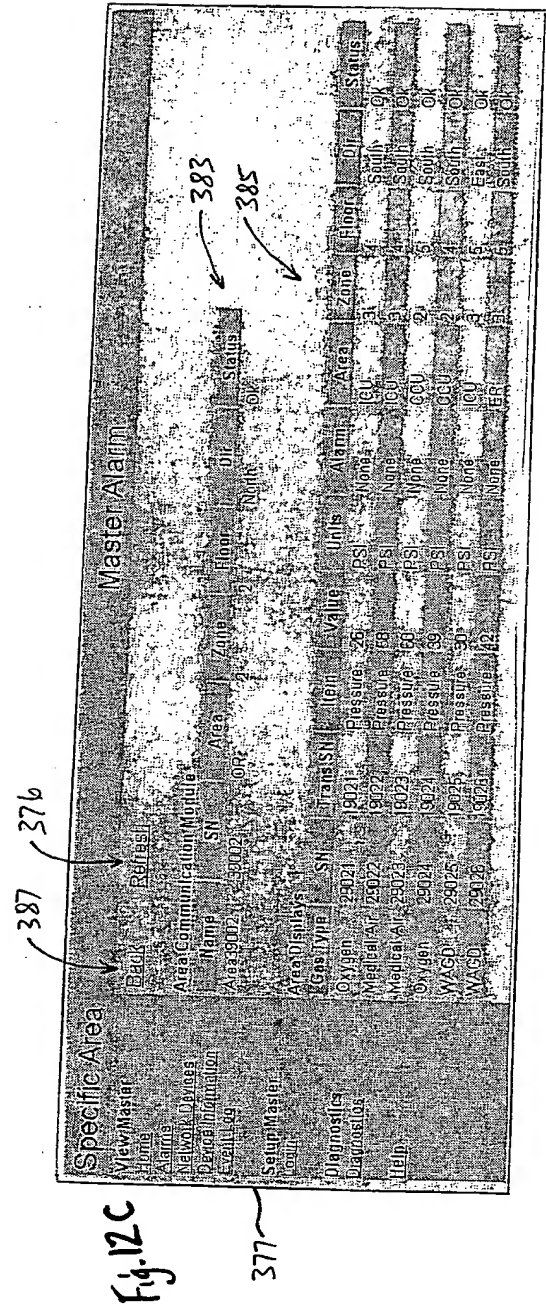
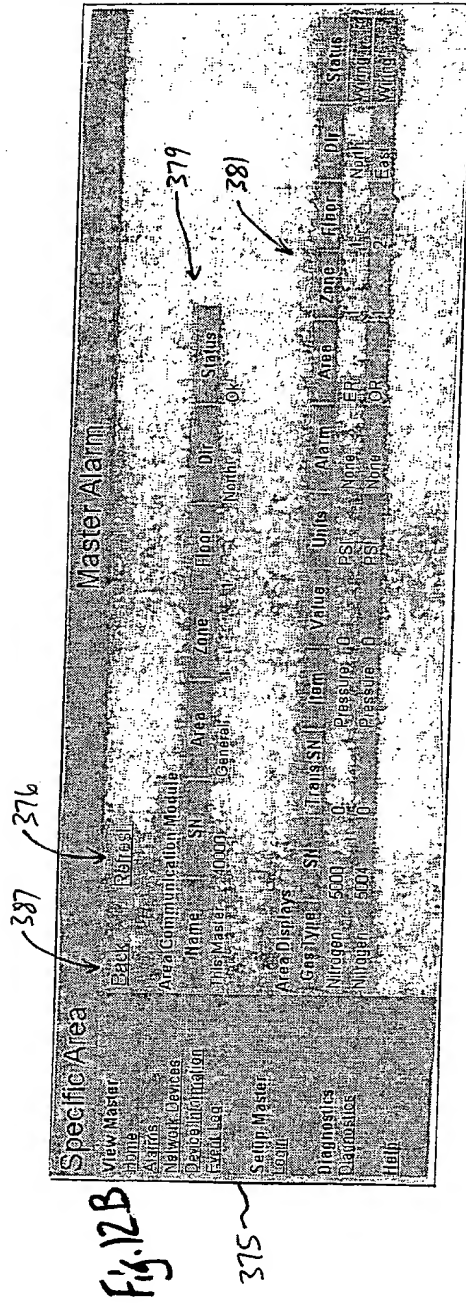
372 373

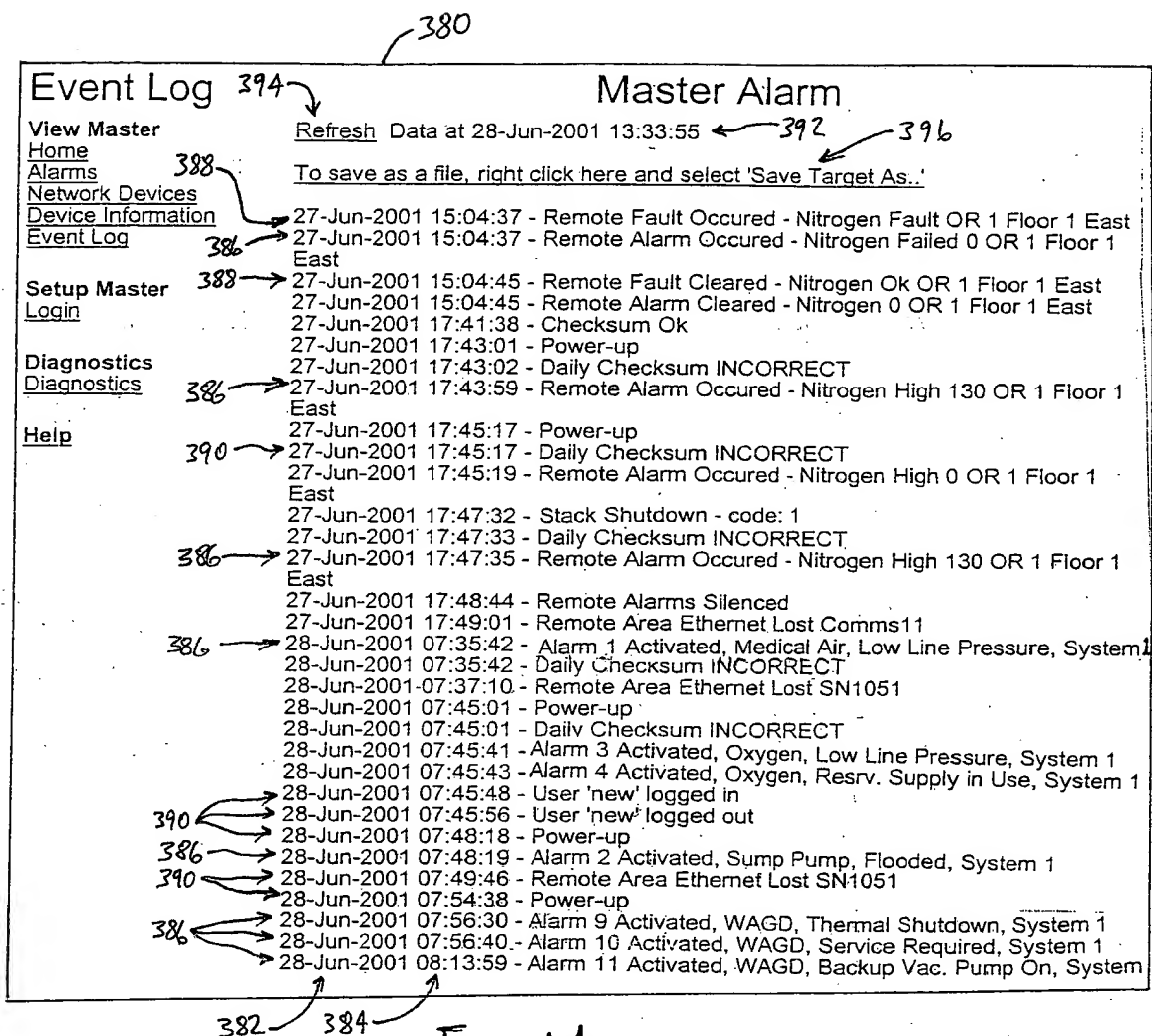
Fig. 12A

378

Device Information		Master Alarm
<u>View Master</u>	Type	Master Alarm
<u>Home</u>	Serial Number	10013
<u>Alarms</u>	Model Number	HRMM-0000-0000
<u>Network Devices</u>	Software Version	0.37
<u>Device Information</u>	Software Build	024
<u>Event Log</u>	Current Time	28-Jun-2001 13:33:39
<u>Setup Master</u>	Date Code	Week 23, 2001
<u>Login</u>	Name	Master10013
<u>Diagnostics</u>	Location	PBX
<u>Diagnostics</u>	Zone	1
<u>Help</u>	Floor	1
	Direction	South
	IP Address	192.168.1.100
	MAC Address	00:03:aa:00:00:13

Fig. 13





356

Diagnostics 400

View Master
Home ← 344

Setup Master
Login ← 354

Master Alarm

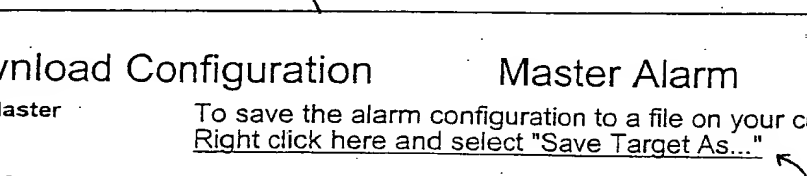
Use selections to the left for diagnostics.

420

Diagnostics
Download Configuration ← 410
Network Statistics ← 412
Physical Inputs ← 414

Help ← 358

Fig. 15



The screenshot shows a web interface with a left sidebar and a main content area. The sidebar contains links: 'View Master Home', 'Setup Master Login', 'Diagnostics', 'Download Configuration', 'Network Statistics', 'Physical Inputs', and 'Help'. The main content area has two sections: 'Download Configuration' and 'Master Alarm'. The 'Download Configuration' section contains the text 'To save the alarm configuration to a file on your computer. Right click here and select "Save Target As..."'. The 'Master Alarm' section contains the text 'To view the alarm configuration: Click here'. Handwritten annotations include '422' with an arrow pointing to the top of the page, '424' with an arrow pointing to 'Click here', and '426' with an arrow pointing to 'Right click here'.

422

Download Configuration

[View Master Home](#)

[Setup Master Login](#)

[Diagnostics](#)

[Download Configuration](#)

[Network Statistics](#)

[Physical Inputs](#)

[Help](#)

Master Alarm

To save the alarm configuration to a file on your computer:
Right click here and select "Save Target As..."

To view the alarm configuration:
Click here

424

426

Fig. 16

Master Alarm Configuration Summary

-432

430

Fig. 17

0002500 01000

Network Statistics

[View Master Home](#)
[Setup Master Login](#)
[Diagnostics](#)
[Download Configuration](#)
[Network Statistics](#)
[Physical Inputs](#)
[Help](#)

[Refresh](#)
IP Address 192.168. 1.100
Subnet 255.255.255. 0
Gateway 192.168. 1. 1
Fixed IP Address 192.168. 1. 1
Fixed Subnet 255. 0. 0. 0
Fixed Gateway 0. 0. 0. 0
Mac Address 00:03:aa:00:00:13
Receives 354
Unicasts 332
Multicasts 0
Broadcasts 22
Rx Errors 0
Rx Missed 0
Rx CRC Errors 0
Rx Drops 0
Transmits 603
Buffer Defers 0
Tx Errors 0
Tx Collisions 0
Tx Coll. Overflow 0
Tx FILO Errors 0
Traffic Backoffs 0

Master Alarm

Fig.18

434

Hardware Diagnostics

[View Master Home](#)
[Setup Master Login](#)
[Diagnostics](#)
[Download Configuration](#)
[Network Statistics](#)
[Physical Inputs](#)
[Help](#)

[Refresh](#)
Physical Inputs:

Input	State	Input	State	Input	State
1	Open	11	Open	21	Open
2	Open	12	Open	22	Open
3	Open	13	Open	23	Open
4	Open	14	Open	24	Closed
5	Open	15	Open	25	Open
6	Open	16	Open	26	Open
7	Open	17	Open	27	Open
8	Open	18	Open	28	Open
9	Open	19	Open	29	Open
10	Open	20	Open	30	Open

Master Alarm

438

Fig.19

442 Audible is On

444 Current Display
Medical Vacuum Sys 1
Low Vacuum

456

Login	Master Alarm
View Master	These entries are case sensitive
Home	
Alarms	
Network Devices	
Device Information	
Event Log	
Setup Master	
Login	
Diagnostics	
Diagnostics	
Help	

Fig. 20

464

The screenshot shows a web-based security system interface. At the top, there are two main sections: "Logged In" on the left and "Master Alarm" on the right. Below "Logged In", there is a "View Master" link and a "Logout->Home" link. Below "Master Alarm", there is a message "You are logged in as new". On the left side, there is a vertical menu with the following items: "Setup Master", "Setup Alarm Messages", "Setup Device", "Email Notification", "Set Clock", "Administer Users", "Setup Network", "Clear Network", "Update Flash", "Transfer Setup", and "Logout". At the bottom left, there is a "Help" link. Handwritten annotations in black ink are present throughout the image, including arrows pointing from numbers to specific links and underlines. The numbers are: 468 (pointing to "Logged In"), 470 (pointing to "View Master"), 466 (pointing to "You are logged in as new"), 472 (pointing to "Setup Master"), 474 (pointing to "Setup Alarm Messages"), 476 (pointing to "Setup Device"), 478 (pointing to "Set Clock"), 480 (pointing to "Administer Users"), 482 (pointing to "Setup Network"), 484 (pointing to "Clear Network"), 486 (pointing to "Update Flash"), 488 (pointing to "Transfer Setup"), 490 (pointing to "Logout"), and 358 (pointing to "Help").

Logged In 468

Master Alarm

View Master 470

Logout->Home

You are logged in as new 466

Setup Master 472

Setup Alarm Messages 474

Setup Device 476

Email Notification

Set Clock 478

Administer Users 480

Setup Network 482

Clear Network 484

Update Flash 486

Transfer Setup 488

Logout 490

Help 358

Fig. 21

Alarm Message Setup

Master Alarm

[View Master Home](#)

Click on the number to change an alarm message.

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)

[Help](#)

Alarm
Input

Gas Type

Message for
Condition

LED

System

1	Medical Air	Low Line Pressure	1	1
2	Medical Air	Compressor Malfunc.	1	1
3	Oxygen	Low Line Pressure	2	1
4	Oxygen	Resrv. Supply in Use	2	1
5	Oxygen	Low Line Pressure	2	2
6	Oxygen	Resrv. Supply in Use	2	2
7	Medical Vacuum	Low Vacuum	3	1
8	Medical Vacuum	Service Required	3	1
9	WAGD	Thermal Shutdown	4	1
10	WAGD	Service Required	4	1
11	WAGD	Backup Vac. Pump On	4	1
12	Unused	Unused	0	1
13	Unused	Unused	0	1
14	Unused	Unused	0	1
15	Unused	Unused	0	1
16	Unused	Unused	0	1
17	Nitrous Oxide	Reserve Supply Low	3	5
18	Unused	Unused	0	1
19	Unused	Unused	0	1
20	Unused	Unused	0	1
21	Unused	Unused	0	1
22	Unused	Unused	0	1
23	Unused	Unused	0	1
24	Unused	Unused	0	1
25	Unused	Unused	0	1
26	Unused	Unused	0	1
27	Unused	Unused	0	1
28	Unused	Unused	0	1
29	Unused	Unused	0	1
30	Unused	Unused	0	1

492

Fig. 22

Setup Alarm Messages Step 2 Master Alarm

View Master
Logout->Home

Select the Gas Type that is wired to input 17

- [Setup Master](#)
- [Setup Alarm Messages](#)
- [Setup Device](#)
- [Email Notification](#)
- [Set Clock](#)
- [Administer Users](#)
- [Setup Network](#)
- [Clear Network](#)
- [Update Flash](#)
- [Transfer Setup](#)
- [Logout](#)

Help

Gas Type Nitrous Oxide 512
LED 500 → 3 512
System 510 → 5 512

Next ← 514

Fig. 23

516

Setup Alarm Messages Step 3 Master Alarm

View Master
Logout->Home

Alarm Number	17
Gas Type	Nitrous Oxide
LED Number	3
System Number	5

Alarm message for this input Reserve Supply Low

- [Setup Master](#)
- [Setup Alarm Messages](#)
- [Setup Device](#)
- [Email Notification](#)
- [Set Clock](#)
- [Administer Users](#)
- [Setup Network](#)
- [Clear Network](#)
- [Update Flash](#)
- [Transfer Setup](#)
- [Logout](#)

Help

Next ← 522

518 ↗ 520

Fig. 2.4

Setup Alarm Messages Final Master Alarm

[View Master](#)
[Logout->Home](#)

Changes complete

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Logout](#)

Input Number 17
Gas Type Nitrous Oxide
Alarm Message Reserve Supply Low
Led Number 3
System Number 5

[Return to Alarm Messages](#)

[Help](#)

Fig. 25

Setup Device

[View Master](#)
[Logout->Home](#)

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Logout](#)

Device Name

Master10013

Location

PBX

Zone

1

Floor

1

Direction

South

Silenced return time

never

[Help](#)

Fig. 26

Device Setup Accepted

[View Master](#)
[Logout->Home](#)

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Logout](#)

Changes to device setup were accepted

[Help](#)

Fig. 27

552

Email Notification

[View Master Home](#)

[Setup Master](#)

[Setup Alarm Messages](#)

[Setup Device](#)

[Email Notification](#)

[Set Clock](#)

[Administer Users](#)

[Setup Network](#)

[Clear Network](#)

[Update Flash](#)

[Transfer Setup](#)

[Help](#)

Master Alarm

SMTP Server Name: Example: smtp.hospital.com

SMTP Server Address:

Email Address 1: Example: joe_service@hospital.com

Email Address 2: Leave blank if unused

Email Address 3:

554

556

558

560

562

564

566

563

The SMTP Server Address has priority over the SMTP Server Name. To use the SMTP Server Name, leave the SMTP Server Address blank. The SMTP Server Name requires a DNS look up. Alarms that occur before the Server Name is resolved are not sent.

Fig. 28

568

Email Changes Accepted

[View Master Home](#)

[Setup Master](#)

[Setup Alarm Messages](#)

[Setup Device](#)

[Email Notification](#)

[Set Clock](#)

[Administer Users](#)

[Setup Network](#)

[Clear Network](#)

[Update Flash](#)

[Transfer Setup](#)

[Help](#)

Master Alarm

SMTP Server Name: smtp.hospital.com

SMTP Server Address:

Email Address 1: FacilityEngineer@hospital.com

Email Address 2: 2125554444@pager.com

Email Address 3:

570

Fig. 29

200270-2052600

572

Set Clock
[View Master Home](#)
[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Help](#)

Master Alarm
Current Time: 26-Jul-2001 10:54:27
Year 2001
Month Jul
Date 26
Hour 10
Minute 54
Second 27

574 → 576 → 578 → 580 → 582 → 584 → 586 → 588 → 590 → 592

Fig. 30

594

Clock Accepted
[View Master Home](#)
[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Help](#)

Master Alarm
Changes were accepted
The clock is now set to 26-Jul-2001 10:54:27

596

Fig. 31

200610-20522600

598

User Administration		Master Alarm	
View Master Logout->Home		These entries are case sensitive	
Setup Master		User Name	Password
Setup Alarm Messages	User 1 Name	<input type="text" value="new"/>	<input type="password"/>
Setup Device	User 2 Name	<input type="text"/>	<input type="password"/>
Email Notification	User 3 Name	<input type="text"/>	<input type="password"/>
Set Clock			
Administer Users			
Setup Network			
Clear Network			
Update Flash			
Transfer Setup			
Logout			
<input type="button" value="Submit"/> <input type="button" value="Reset"/>			
Help			

612 → 614 → 600 → 610 →

Fig. 32

616

User Name Changes Accepted		Master Alarm	
View Master Home		Changes to user name and password were accepted	
Setup Master			
Setup Alarm Messages			
Setup Device			
Email Notification			
Set Clock			
Administer Users			
Setup Network			
Clear Network			
Update Flash			
Transfer Setup			
Help			

Fig. 33

Network Settings

Master Alarm

[View Master](#)
[Logout->Home](#)

620 → Current Settings: IP address: 192.168.1.100 Subnet mask: 255.255.255.0

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Logout](#)

IP Addressing

Choose the method for this hosts IP address assignment.

- 622 → ☒ Try DHCP server, then try Auto IP, finally use fixed IP address
624 → ☐ Try DHCP server, then use fixed IP address
626 → ☐ Try AutoIP, then use fixed IP address
628 → ☐ Use fixed IP address always

[Help](#)

Fixed IP address

Fixed subnet mask

Fixed gateway

Name Resolution

If you would like to refer to this device by host name 'Master10013' in addition to the IP address '192.168.1.100' you need a method of resolving names to IP addresses.

- 636 → ☒ Use NetBios Name Service to resolve Host names (WINS). This allows hosts to discover each other. Be aware that it uses a few broadcast messages. This option works well for a network with no administrated servers.

638 → 640

618

Fig. 34

642

Network Setup

Master Alarm

[View Master](#)
[Home](#)

Network Changes were accepted

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)

[Help](#)

Fig. 35

Clear Network

[View Master](#)
[Logout->Home](#)

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Logout](#)

[Help](#)

Master Alarm

This operation refreshes the gas monitoring network.
Clear the network if any device is removed or swapped out.
This ensures the list of expected devices matches the current setup.

To clear the network [Click Here](#)

Fig. 36

Changes Accepted

[View Master](#)
[Home](#)

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)

[Help](#)

Master Alarm

Changes were accepted

Fig. 37

Software Update

654 ↘

Master Alarm

[View Master](#)
[Logout->Home](#)

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)
[Logout](#)

[Help](#)

This device has updateable FLASH program memory. The memory can be updated with a new version of application software using a special program on your computer. Once the device enters the FLASH programming mode, new software must be downloaded from a PC.

656 ↘

The download process must be completed successfully before this device will work correctly again.

[Click here to enter the FLASH programming mode](#)

658 ↗

Fig. 38

652

660

Verify FLASH Download Mode

Master Alarm

[View Master](#)
[Home](#)

[Setup Master](#)
[Setup Alarm Messages](#)
[Setup Device](#)
[Email Notification](#)
[Set Clock](#)
[Administer Users](#)
[Setup Network](#)
[Clear Network](#)
[Update Flash](#)
[Transfer Setup](#)

[Help](#)

Verify your intention

Once FLASH programming mode is entered the device will not operate as an alarm system until the download is successfully complete.

[Click here to confirm entering FLASH programming mode](#)

662 ↗

Fig. 39

Configuration Transfer	Master Alarm
View Master Logout->Home	<p>The configuration from this device can be transferred to another master over the network.</p> <p>To transfer the configuration from this Master Alarm to another, click on the master below.</p>
Setup Master Setup Alarm Messages Setup Device Email Notification Set Clock Administer Users Setup Network Clear Network Update Flash Transfer Setup Logout	
	<p>This Master Alarm is:</p> <p>Master10013 (192.168.1.100) PBX1 Floor 1 South</p>
	<p>Transfer configuration to:</p> <p>No other Masters Alarms were found</p>
Help	

664

Fig. 40

Logout	Master Alarm
View Master Home Alarms Network Devices Device Information Event Log	<p>Logged out of setup.</p>
Setup Master Login	
Diagnostics Diagnostics	
Help	

Fig. 41

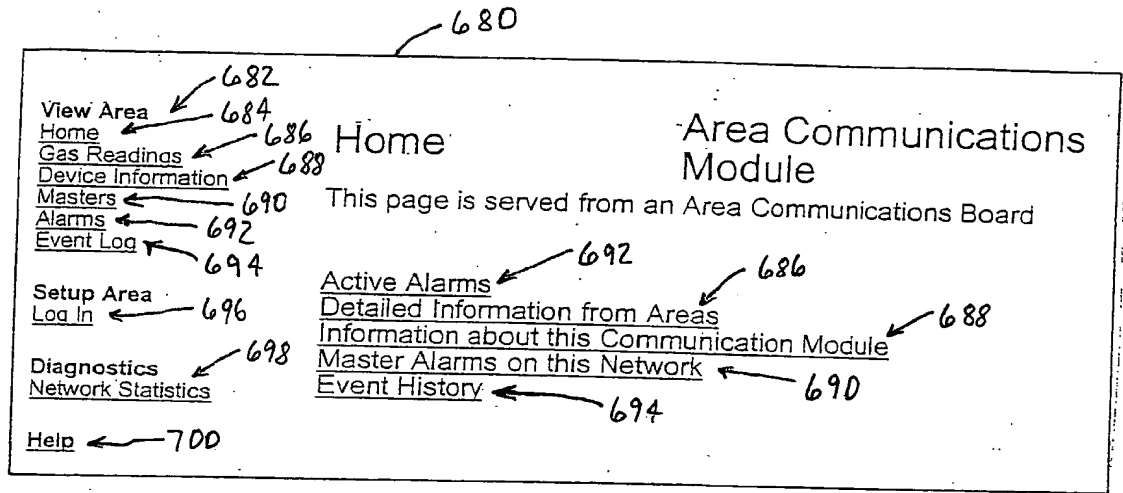


Fig. 42

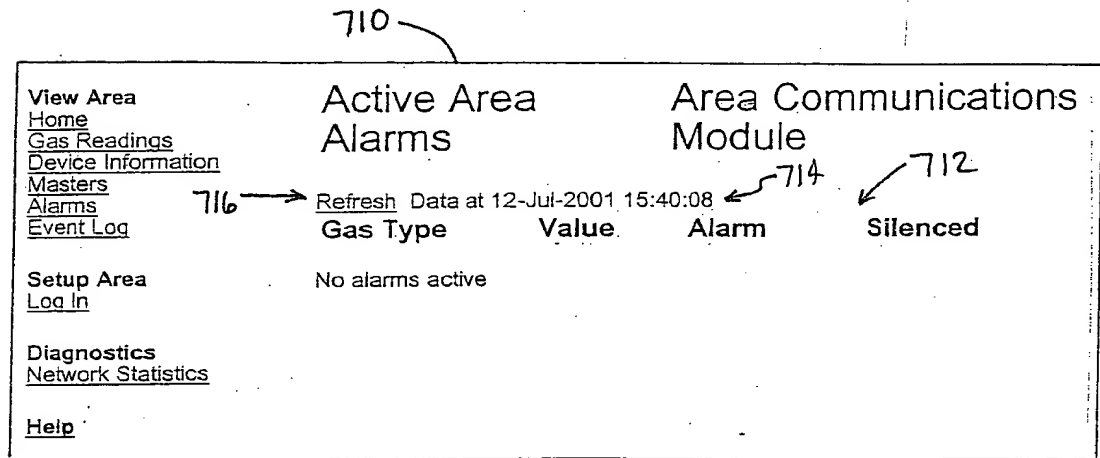


Fig. 43

View Area
Home
Gas Readings
Device Information
Masters
Alarms
Event Log

Setup Area
Log In

Diagnostics
Network Statistics

Help

Area Display Data

Area Communications Module

719

Data at 12-Jul-2001 15:40:40 Refresh

721

720

Area Gas	Value	Units	Location	Alarms	Errors	Network
Nitrogen	144	PSI	OR1 Floor 1	None	Ok	Resolved

722

718

Fig. 44

View Area
Home
Gas Readings
Device Information
Masters
Alarms
Event Log

Setup Area
Log In

Diagnostics
Network Statistics

Help

Area Display Data

Area Communications Module

724

Data at 12-Jul-2001 15:40:52

725

Item	Value
Gas Type	Nitrogen
Measurement	Pressure
Value	144-PSI
Alarm	None
Status	Ok
Connection	Resolved
Area	OR
Zone	1
Floor	1
Direction	
Alarm High	190 PSI
Alarm Low	140 PSI
Display SN	4100
Transducer SN	1016

726

728

730

732

734

736

Fig. 45

00023503 013003

View Area

Home

Gas Readings

Device Information

Masters

Alarms

Event Log

Setup Area

Log In

Diagnostics

Network Statistics

Help

Event Area

Log Communications

Module

Refresh

Data at 12-Jul-2001 15:42:05

To save as a file, right click here and select 'Save Target As..'

10-Jul-2001 12:02:11 - Area Display lost SN=5001

10-Jul-2001 12:04:08 - Area Display lost S 2-Jul-2001 09:07:44 - Power-up

12-Jul-2001 09:07:44 - Checksum INCORRECT

12-Jul-2001 09:37:48 - Power-up

12-Jul-2001 09:37:48 - Checksum Ok

12-Jul-2001 09:39:34 - Power-up

12-Jul-2001 09:39:34 - Checksum Ok

12-Jul-2001 09:41:59 - Power-up

12-Jul-2001 09:41:59 - Checksum Ok

12-Jul-2001 09:45:20 - Power-up

12-Jul-2001 09:45:20 - Checksum Ok

12-Jul-2001 09:50:02 - Power-up

12-Jul-2001 09:50:02 - Checksum Ok

12-Jul-2001 09:51:49 - Power-up

12-Jul-2001 09:51:49 - Checksum Ok

12-Jul-2001 09:54:05 - Power-up

12-Jul-2001 09:54:05 - Checksum Ok

12-Jul-2001 10:00:50 - Power-up

12-Jul-2001 10:00:50 - Checksum Ok

12-Jul-2001 10:04:08 - Power-up

12-Jul-2001 10:04:08 - Checksum Ok

12-Jul-2001 10:08:20 - Power-up

12-Jul-2001 10:08:20 - Checksum Ok

12-Jul-2001 10:10:28 - Power-up

12-Jul-2001 10:10:28 - Checksum Ok

12-Jul-2001 10:13:15 - Power-up

12-Jul-2001 10:13:15 - Checksum Ok

12-Jul-2001 10:18:13 - Power-up

12-Jul-2001 10:18:13 - Checksum Ok

12-Jul-2001 10:20:04 - Power-up

12-Jul-2001 10:20:04 - Checksum Ok

12-Jul-2001 10:22:04 - Power-up

12-Jul-2001 10:22:04 - Checksum Ok

12-Jul-2001 10:23:20 - Power-up

12-Jul-2001 10:23:20 - Checksum Ok

12-Jul-2001 10:26:58 - Power-up

12-Jul-2001 10:26:58 - Checksum Ok

12-Jul-2001 10:30:02 - Power-up

12-Jul-2001 10:30:02 - Checksum Ok

12-Jul-2001 10:31:28 - Power-up

12-Jul-2001 10:31:28 - Checksum Ok

12-Jul-2001 10:32:38 - Power-up

12-Jul-2001 10:32:38 - Checksum Ok

12-Jul-2001 10:32:57 - User 'new' logged in

12-Jul-2001 10:37:52 - Power-up

12-Jul-2001 10:37:52 - Checksum Ok

12-Jul-2001 10:38:08 - User " logged out

12-Jul-2001 10:38:17 - User " logged out

12-Jul-2001 10:38:19 - User " logged out

746

Fig. 48

View Area Home Gas Readings Device Information Masters Alarms Event Log	<h1>Login</h1> <p>These entries are case sensitive</p> <p>User Name <input type="text" value="new"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Submit"/></p>	<h1>Area Communications Module</h1>
Setup Area Log In		
Diagnostics Network Statistics		
Help		

Fig. 49

View Area ← 770
Home
Gas Readings
Device Information
Masters
Alarms
Event Log

Login Status

Area Communications
Module

You are logged in as new ← 768

Setup Area ← 772
Setup Device ← 774
Setup Network ← 774
Set Clock ← 776
Administrate Users ← 778
Update Flash ← 780
Log Out ← 782

Diagnostics
Network Statistics

Help

Fig. 50

2025-10-20 10:20:00

786

View Area	Device Settings	Area Communications Module
Home Gas Readings Device Information Masters Alarms Event Log	Device Name <input type="text" value="Comms11"/> 788 Location Area <input type="text" value="OR"/> 790 791 Location Zone <input type="text" value="1"/> 796 Location Floor <input type="text" value="1"/> 792 Location Direction <input type="text" value="East"/> 795 <input type="button" value="Submit"/> 798 <input type="button" value="Reset"/> 800	
Setup Area Setup Device Setup Network Set Clock Administrate Users Update Flash Log Out		
Diagnostics Network Statistics		
Help		

Fig. 51

810

View Area	Device Setup Results	Area Communications Module
Home Gas Readings Device Information Masters Alarms Event Log	Changes to device setup where accepted 812	
Setup Area Setup Device Setup Network Set Clock Administrate Users Update Flash Log Out		
Diagnostics Network Statistics		
Help		

Fig. 52

View Area
[Home](#)
[Gas Readings](#)
[Device Information](#)
[Masters](#)
[Alarms](#)
[Event Log](#)

Setup Area
[Setup Device](#)
[Setup Network](#)
[Set Clock](#)
[Administrate Users](#)
[Update Flash](#)
[Log Out](#)

Diagnostics
[Network Statistics](#)

[Help](#)

Network Settings

Area Communications Module

816 → Current Settings: IP address: 192.168.1.200 Subnet mask: 255.255.255.0

IP Addressing

Choose the method for this hosts IP address assignment.

818 → ☒ Try DHCP server, then try Auto IP; finally use fixed IP address
 820 → ☐ Try DHCP server, then use fixed IP address
 822 → ☐ Try AutoIP, then use fixed IP address
 824 → ☐ Use fixed IP address always

Fixed IP address ← 826
 Fixed subnet mask ← 828
 Fixed gateway ← 830

Name Resolution

If you would like to refer to this device by host name 'Comms11' in addition to the IP address '192.168.1.200' you need a method of resolving names to IP addresses.

832 → ☒ Use NetBios Name Service to resolve Host names (WINS): This allows hosts to discover each other. Be aware that it uses a few broadcast messages. This option works well for a network with no administrated servers.

834 → ← 836

Fig. 53

View Area
[Home](#)
[Gas Readings](#)
[Device Information](#)
[Masters](#)
[Alarms](#)
[Event Log](#)

Setup Area
[Setup Device](#)
[Setup Network](#)
[Set Clock](#)
[Administrate Users](#)
[Update Flash](#)
[Log Out](#)

Diagnostics
[Network Statistics](#)

[Help](#)

Area Display - Network Setup Result

Changes to the network setup where accepted

Fig. 54

View Area
[Home](#)
[Gas Readings](#)
[Device Information](#)
[Masters](#)
[Alarms](#)
[Event Log](#)

Setup Area
[Setup Device ~](#)
[Setup Network](#)
[Set Clock](#)
[Administrate Users](#)
[Update Flash](#)
[Log Out](#)

Diagnostics
[Network Statistics](#)

[Help](#)

Set Clock

Current Time: 12-Jul-2001 15:47:02 ← 842

Year 844 → 846 →

Month 848 →

Date 850 →

Hour 852 →

Minute 854 →

Second

2001 856

July 856

12 856

15 856

47 856

2 856

858 →

← 860

Fig. 55

View Area
[Home](#)
[Gas Readings](#)
[Device Information](#)
[Masters](#)
[Alarms](#)
[Event Log](#)

Setup Area
[Setup Device](#)
[Setup Network](#)
[Set Clock](#)
[Administrate Users](#)
[Update Flash](#)
[Log Out](#)

Diagnostics
[Network Statistics](#)

[Help](#)

Area Comms - Change Result

Changes where accepted ← 864

The clock is now set to 12-Jul-2001 15:47:02

Fig. 56

2002-01-20 10:00

View Area Home Gas Readings Device Information Masters Alarms Event Log	User Administration	Area Communications Module
Setup Area Setup Device Setup Network Set Clock Administrate Users Update Flash Log Out	These entries are case sensitive	
Diagnostics Network Statistics		
Help		

	868 →	User Name		Password	← 870
User 1 Name		<input type="text" value="new"/>		<input type="text"/>	
User 2 Name		<input type="text"/>		<input type="text"/>	
User 3 Name		<input type="text"/>		<input type="text"/>	
		<input type="button" value="Submit"/>		<input type="button" value="Reset"/>	

872 → 874 →

Fig. 57

866

876

View Area Home Gas Readings Device Information Masters Alarms Event Log	Change User Info Result	Area Communications Module
Setup Area Setup Device Setup Network Set Clock Administrate Users Update Flash Log Out	Changes to user name and password where accepted	
Diagnostics Network Statistics		
Help		

Fig. 58

<p>View Area</p> <p><u>Home</u></p> <p><u>Gas Readings</u></p> <p><u>Device Information</u></p> <p><u>Masters</u></p> <p><u>Alarms</u></p> <p><u>Event Log</u></p> <p>Setup Area</p> <p><u>Setup Device</u></p> <p><u>Setup Network</u></p> <p><u>Set Clock</u></p> <p><u>Administrate Users</u></p> <p><u>Update Flash</u></p> <p><u>Log Out</u></p> <p>Diagnostics</p> <p><u>Network Statistics</u></p> <p><u>Help</u></p>	<h2>Flash Download</h2> <p>880 →</p> <p>This device has updateable FLASH program memory. The memory can be updated with a new version of application software using a special program on your computer. Once the device enters the FLASH programming mode, new software must be downloaded from a PC.</p> <p>882 ↙</p> <p>The download process must be completed successfully before this device will work correctly again.</p> <p>Click here to enter the FLASH programming mode</p> <p>884 ↗</p>	<h2>Area Communications Module</h2>
--	--	-------------------------------------

878 ↖

Fig. 59

886 ↘

<p>View Area</p> <p><u>Home</u></p> <p><u>Gas Readings</u></p> <p><u>Device Information</u></p> <p><u>Masters</u></p> <p><u>Alarms</u></p> <p><u>Event Log</u></p> <p>Setup Area</p> <p><u>Setup Device</u></p> <p><u>Setup Network</u></p> <p><u>Set Clock</u></p> <p><u>Administrate Users</u></p> <p><u>Update Flash</u></p> <p><u>Log Out</u></p> <p>Diagnostics</p> <p><u>Network Statistics</u></p> <p><u>Help</u></p>	<h2>Confirm Download</h2> <p>Verify your intention</p> <p>Once FLASH programming mode is entered the device will not operate as an alarm system until the download is successfully complete.</p> <p>Click here to confirm entering FLASH programming mode</p> <p>888 ↗</p>	<h2>Area Communications Module</h2>
--	--	-------------------------------------

Fig. 60

205210-20522000

View Area Home Gas Readings Device Information Masters Alarms Event Log	Communications Statistics	Area Communications Module
Setup Area Setup Device Setup Network Set Clock Administrate Users Update Flash Log Out	Ethernet Refresh	
Diagnostics Network Statistics	IP Address	192.168. 1. 200
Help	Subnet	255.255.255. 0
	Gateway	192.168. 1. 1
	Fixed IP Address	0. 0. 0. 0
	Fixed Subnet	0. 0. 0. 0
	Fixed Gateway	0. 0. 0. 0
	Mac Address	00:03:aa:00:00:11
	Receives	662
	Unicasts	590
	Multicasts	0
	Broadcasts	72
	Rx Errors	0
	Rx Missed	0
	Rx CRC Errors	0
	Rx Drops	0
	Transmits	705
	Buffer Defers	0
	Tx Errors	0
	Tx Collisions	0
	Tx Coll. Overflow	0
	Tx FILO Errors	0
	Traffic Backoffs	0
	Serial Communications	
	Recieves	11591
	Transmits	11627
	Bad CRC	0
	Missed End	0
	Packet Too Long	0

890

Fig. 61

FIG. 62

FIG. 62A	FIG. 62D	FIG. 62G	FIG. 62J	FIG. 62M	FIG. 62P	FIG. 62S
FIG. 62B	FIG. 62E	FIG. 62H	FIG. 62K	FIG. 62N	FIG. 62Q	FIG. 62T
FIG. 62C	FIG. 62F	FIG. 62I	FIG. 62L	FIG. 62O	FIG. 62R	FIG. 62U

202510-20522000

FIG. 62A

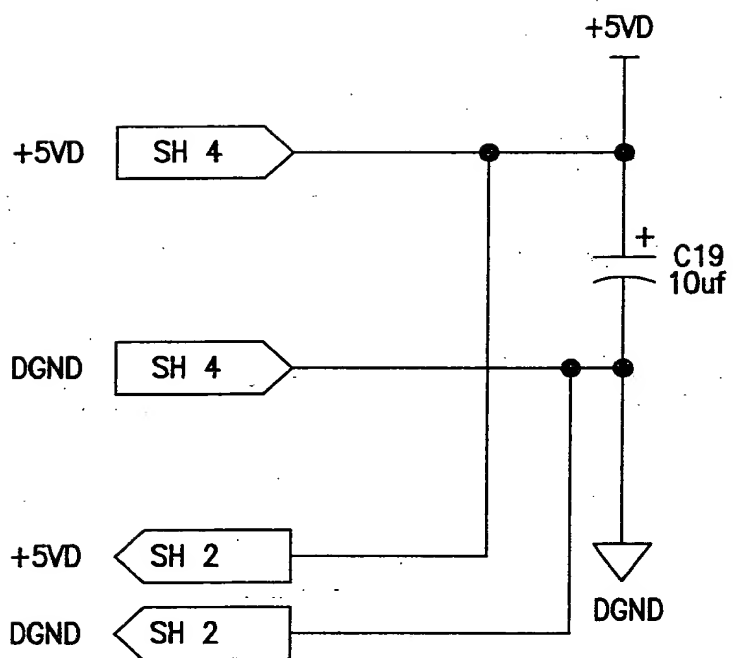
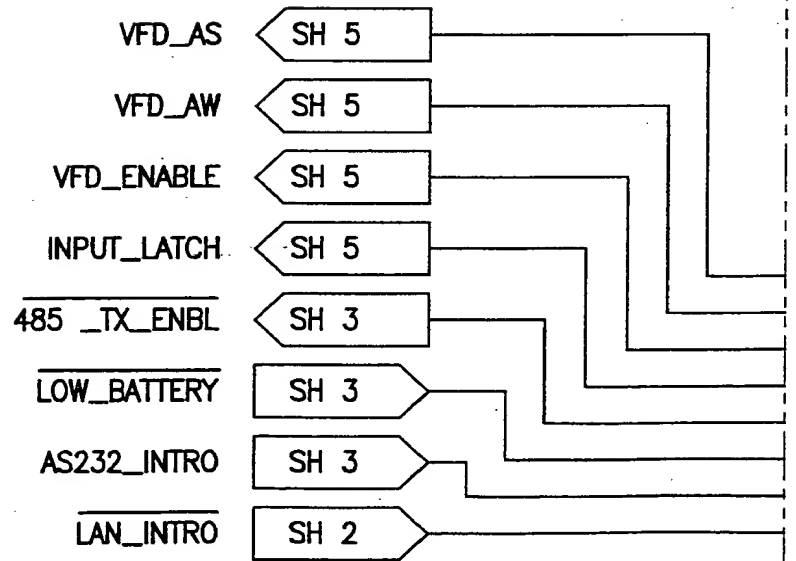
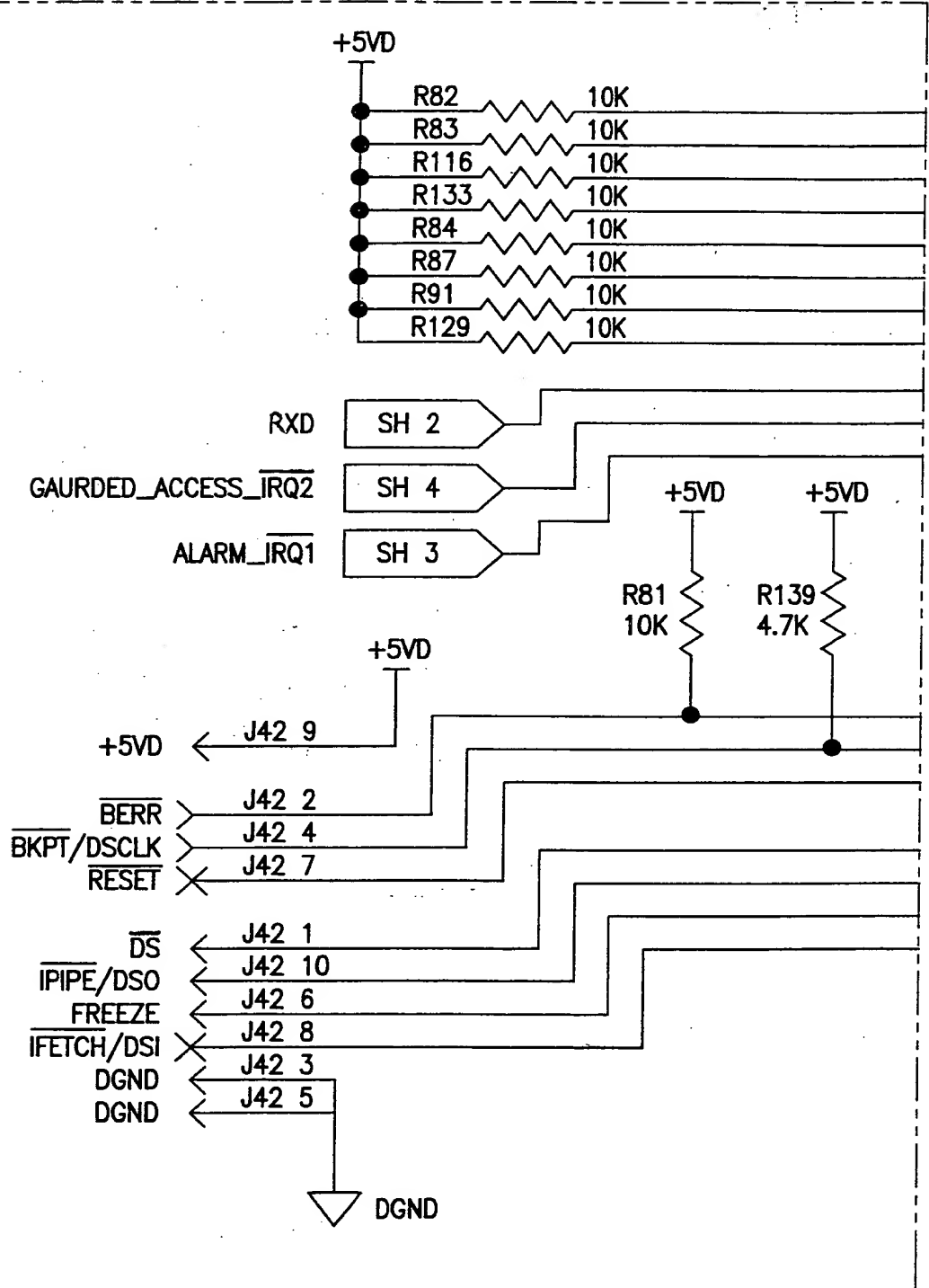


FIG. 62B



20020701 20522000

FIG. 62C



00023502-013002

[illegible]

FIG. 62E

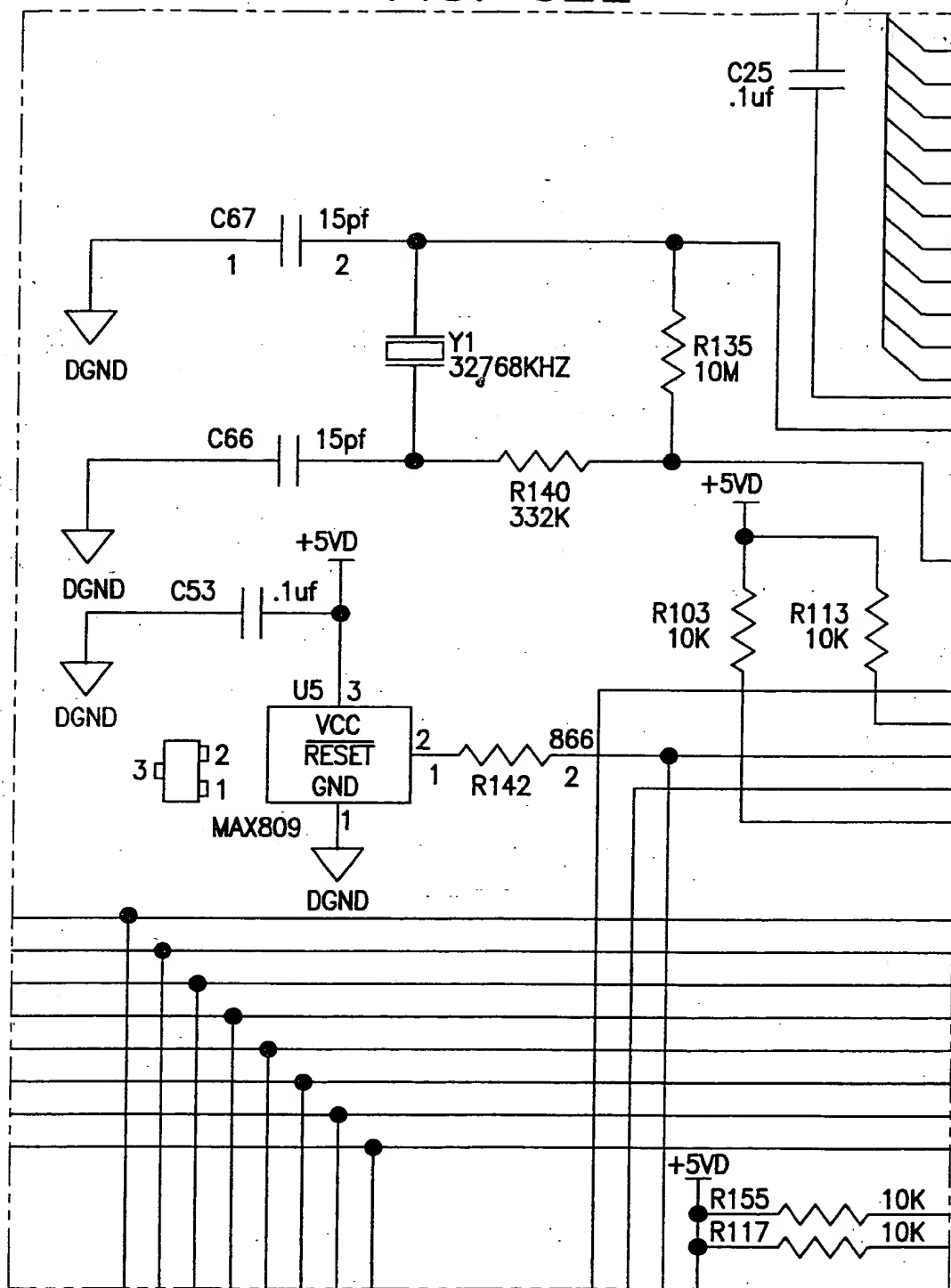
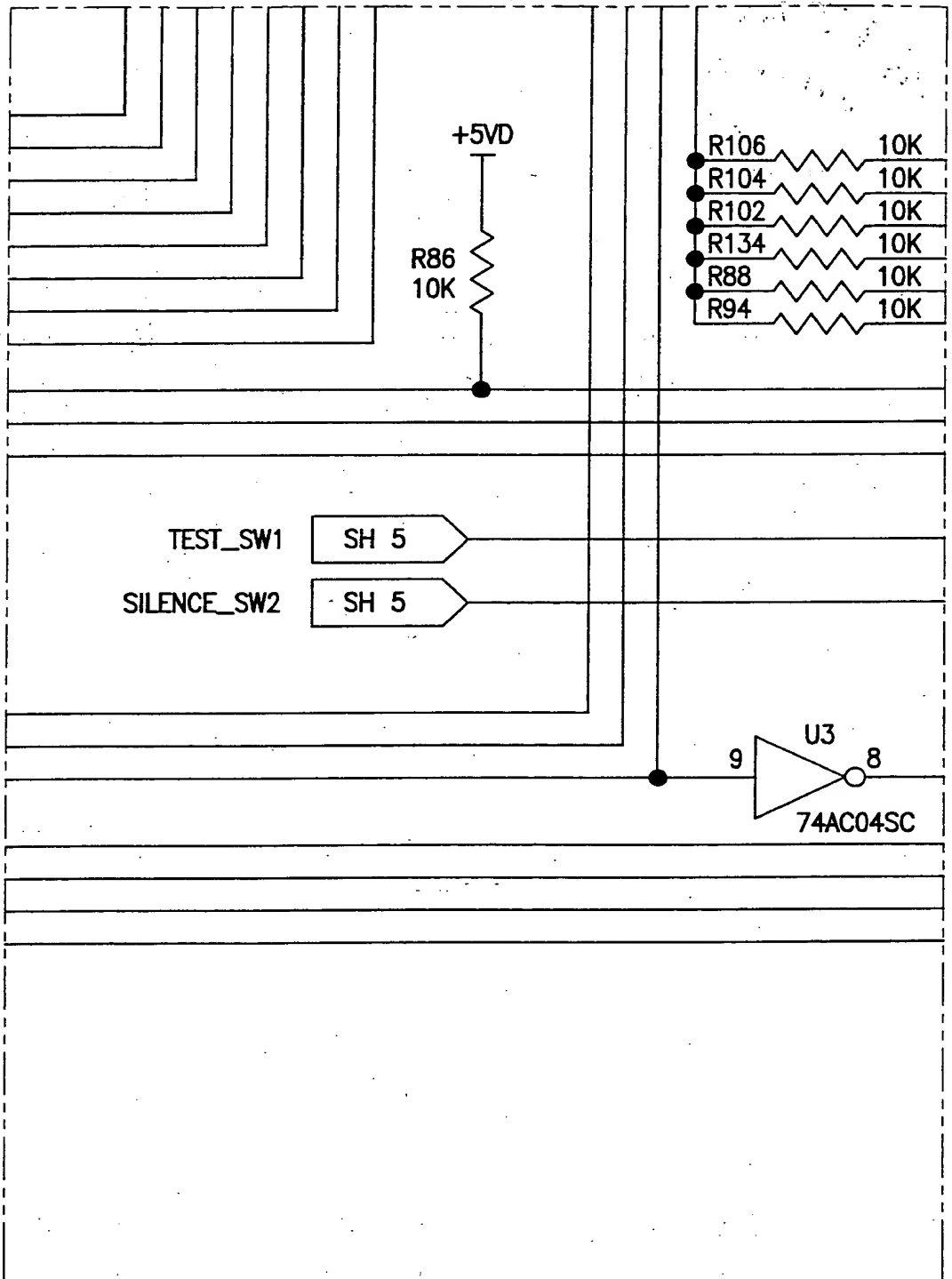
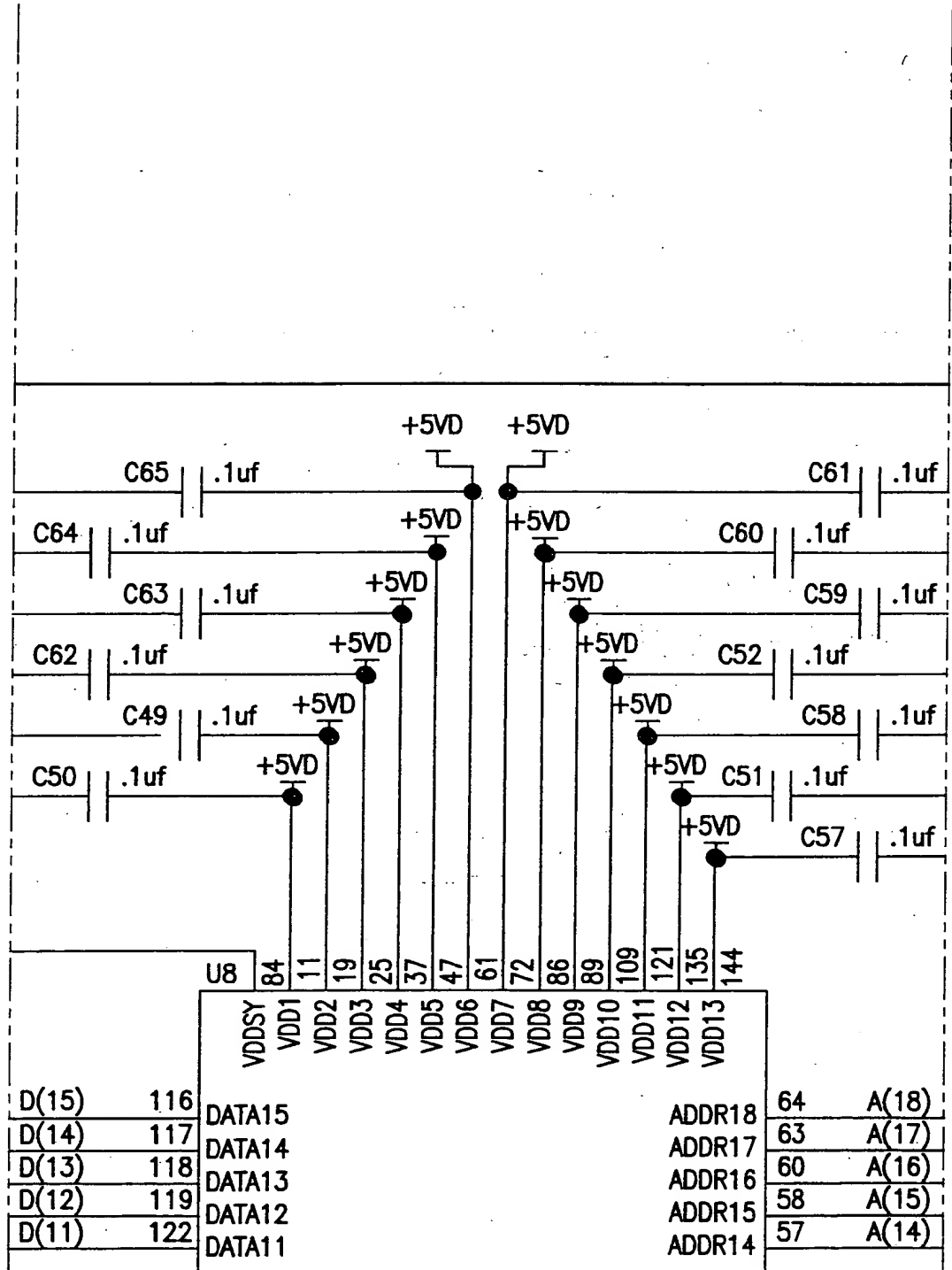


FIG. 62F



202210-20522000

FIG. 62G



1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

D(10)	124	DATA10	ADDR13	56	A(13)
D(9)	125	DATA9	ADDR11	52	A(12)
D(8)	127	DATA8	ADDR12	51	A(11)
D(7)	130	DATA7	ADDR10	50	A(10)
D(6)	131	DATA6	ADDR9	49	A(9)
D(5)	132	DATA5	ADDR8	46	A(8)
D(4)	133	DATA4	ADDR7	45	A(7)
D(3)	136	DATA3	ADDR6	44	A(6)
D(2)	137	DATA2	ADDR5	43	A(5)
D(1)	138	DATA1	ADDR4	42	A(4)
D(0)	139	DATA0	ADDR3	41	A(3)
	1	NC1	ADDR2	40	A(2)
	16	NC2	ADDR1	39	A(1)
	17	NC3	ADDR0	115	A(0)
	87	XFC	NC14	88	A(19)
	85	EXTAL	ADDR23/CS10	10	
	83	XTAL	ADDR22/CS9/PC6	9	
	18	NC4	ADDR21/CS8/PC5	8	
	21	NC5	ADDR20/CS7/PC4	7	
	27	NC6	ADDR19/CS6/PC3	6	
	94	BERR	CS5/FC2/PC2	5	
	93	HALT	CS4/FC1/PC1	4	
	92	RESET	CS3/FC0/PC0	3	
	79	BKPT/DSCLK	NC15	108	
	80	TSC	BGACK/CS2	143	
	34	NC7	BG/CS1	142	
	36	NC8	BH/CS0	141	
	23	IC4/OC5/OC1/PGP7	CSB00T	140	
	24	OC4/OC1/PGP6	NC16	123	
	28	OC3/OC1/PGP5	R/W	103	
	29	OC2/OC1/PGP4	CLKOUT	90	
	30	OC1/PGP3	PWMA	15	
	31	IC3/PGP2	PWMB	14	
	32	IC2/PGP1	FREEZE/OOUT	81	
	33	IC1/PGP0	IPIPE/QS0	77	
	38	NC9	IFETCH/DSI	78	
	53	NC10	NC17	126	
	22	PAI	SIZ1/PE7	104	
	13	PCLK	SIZ0/PE6	105	

FIG. 621

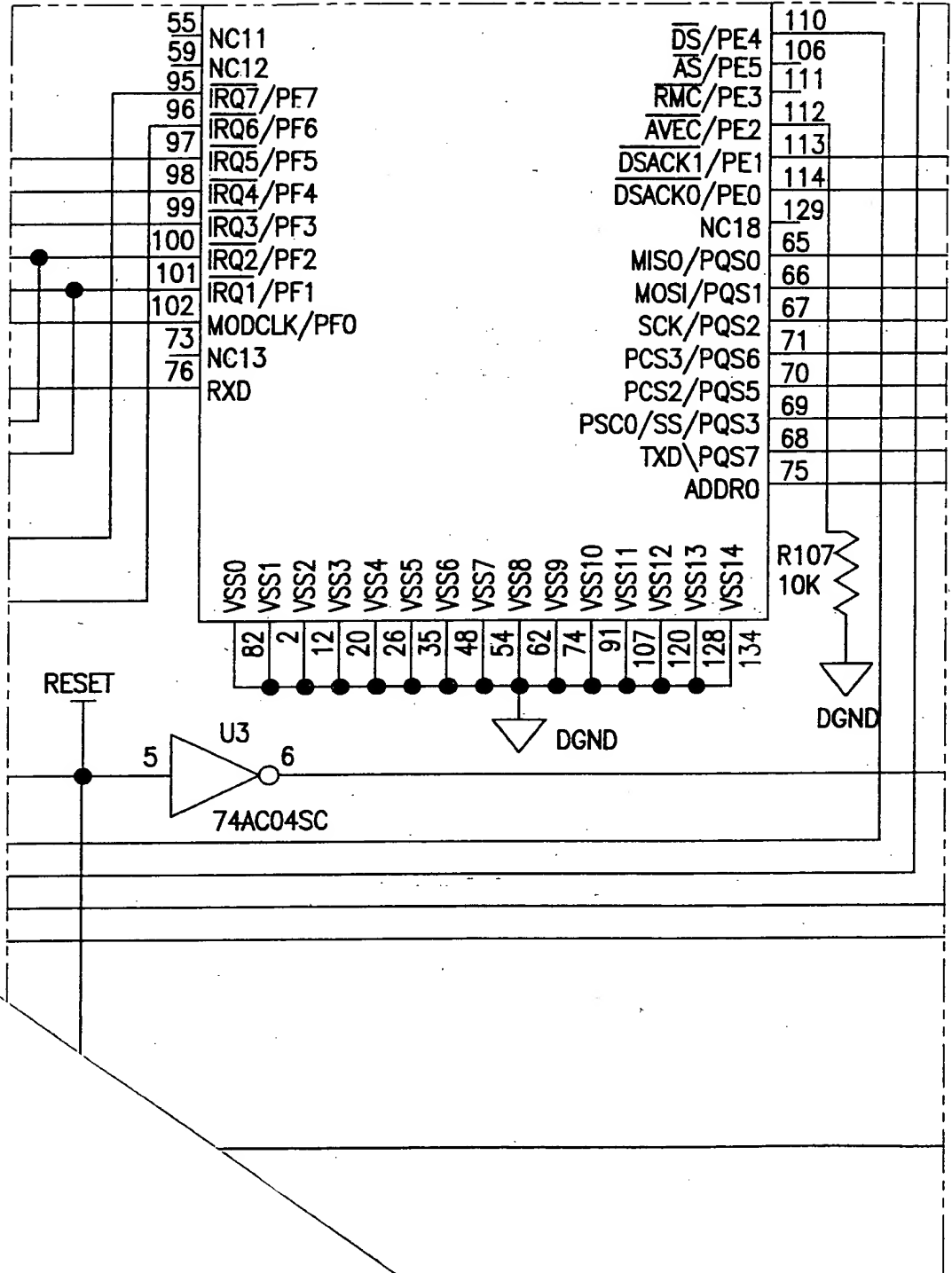
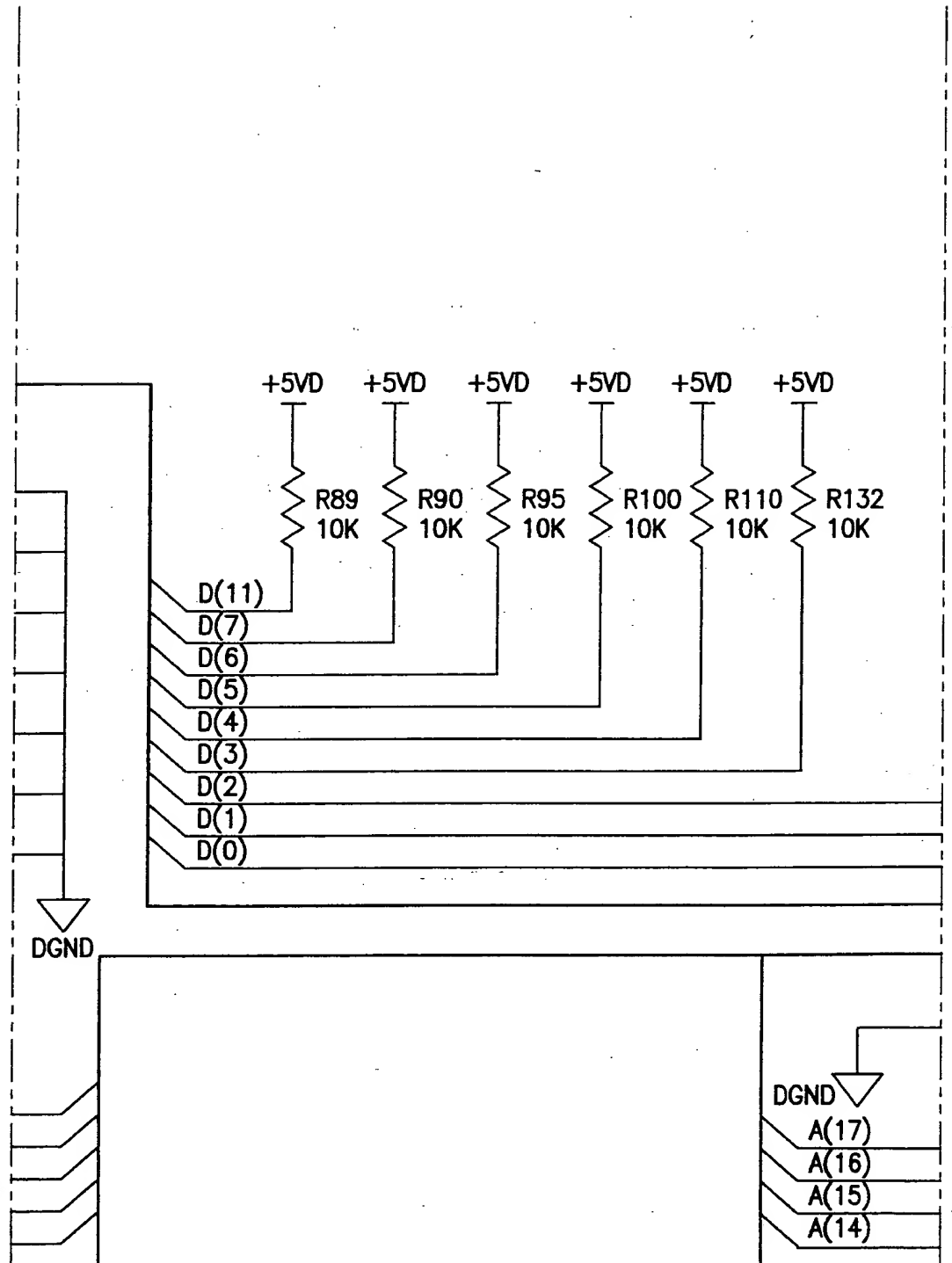
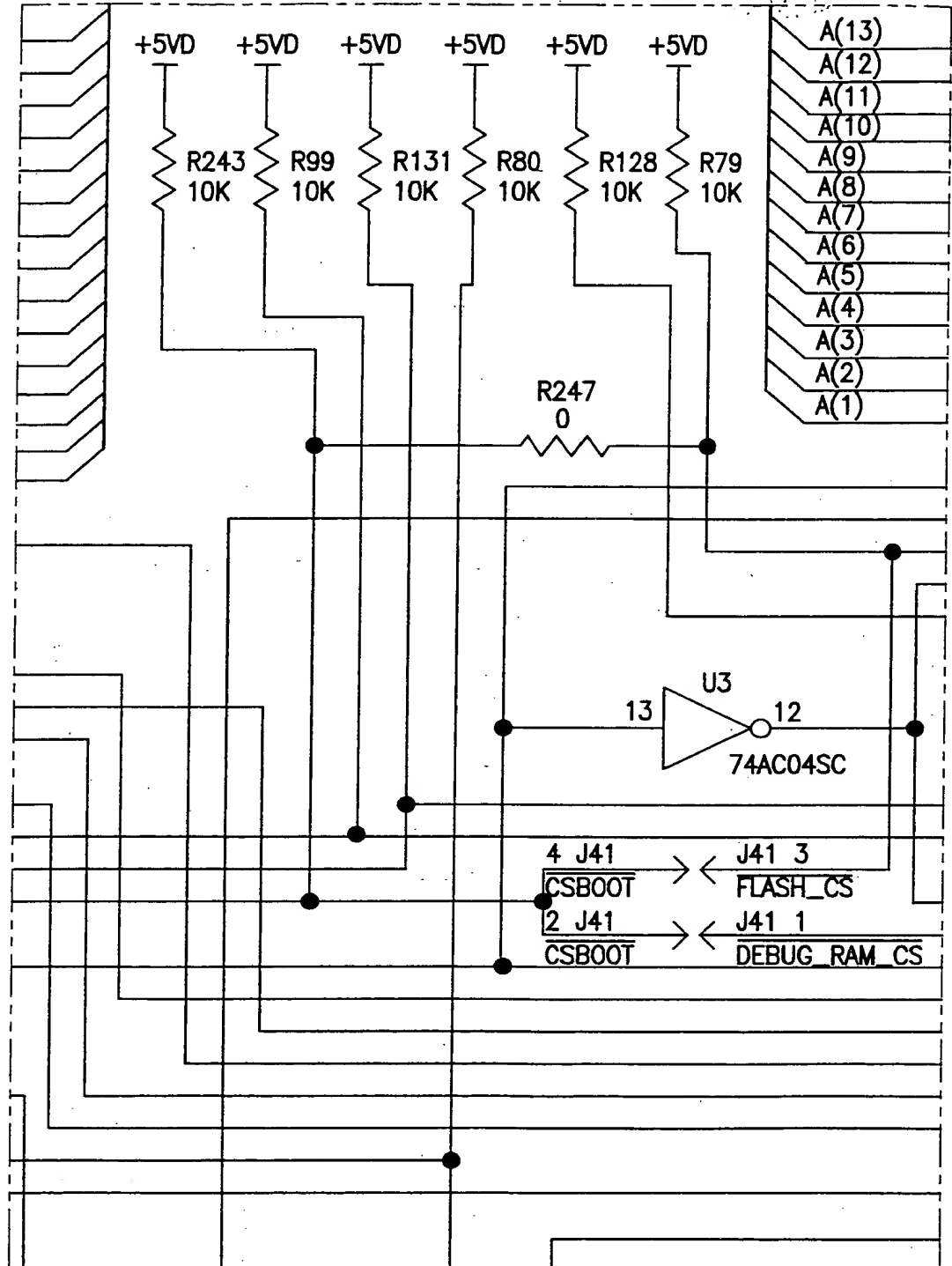


FIG. 62J



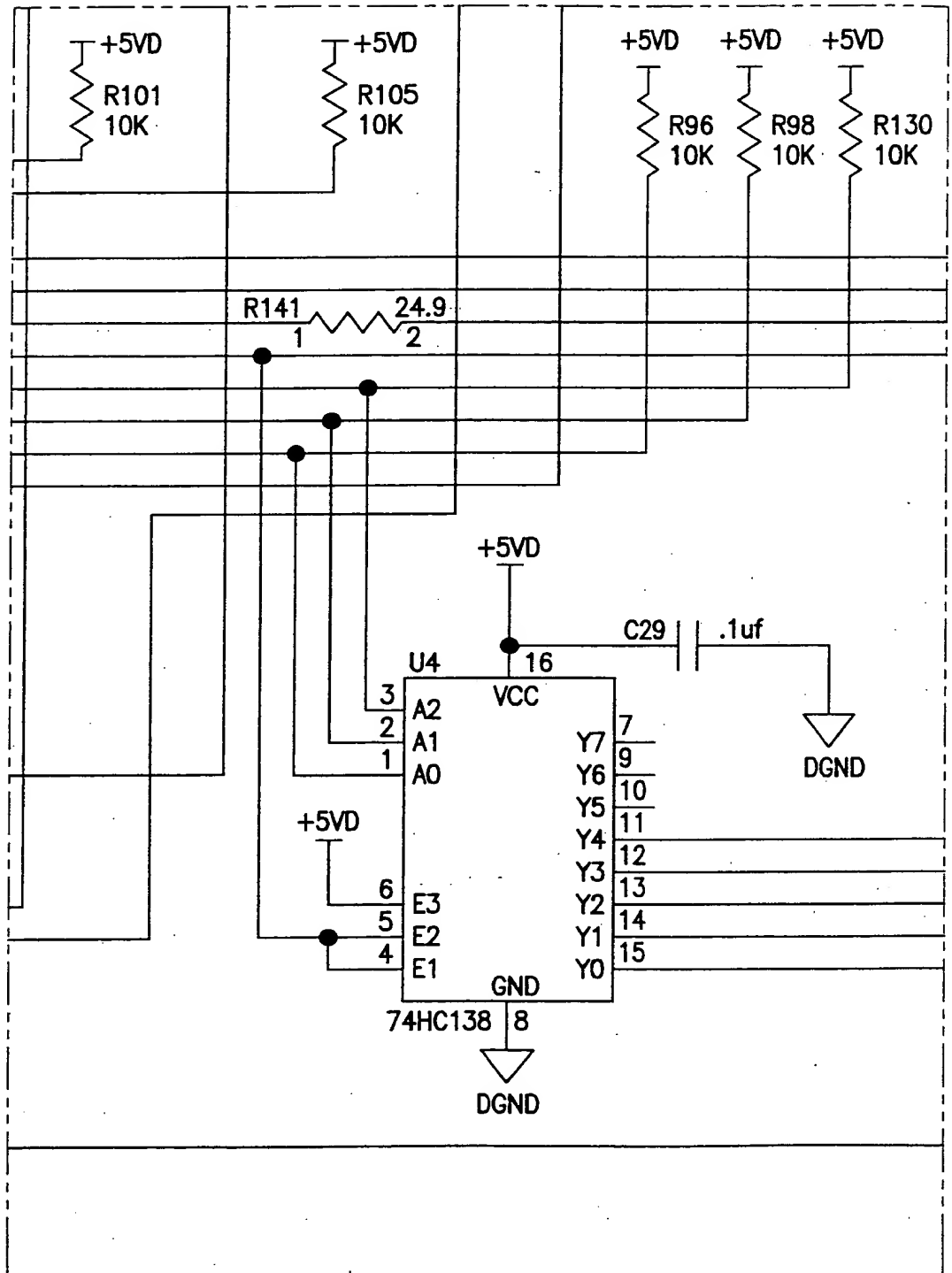
20020720 20522000

FIG. 62K



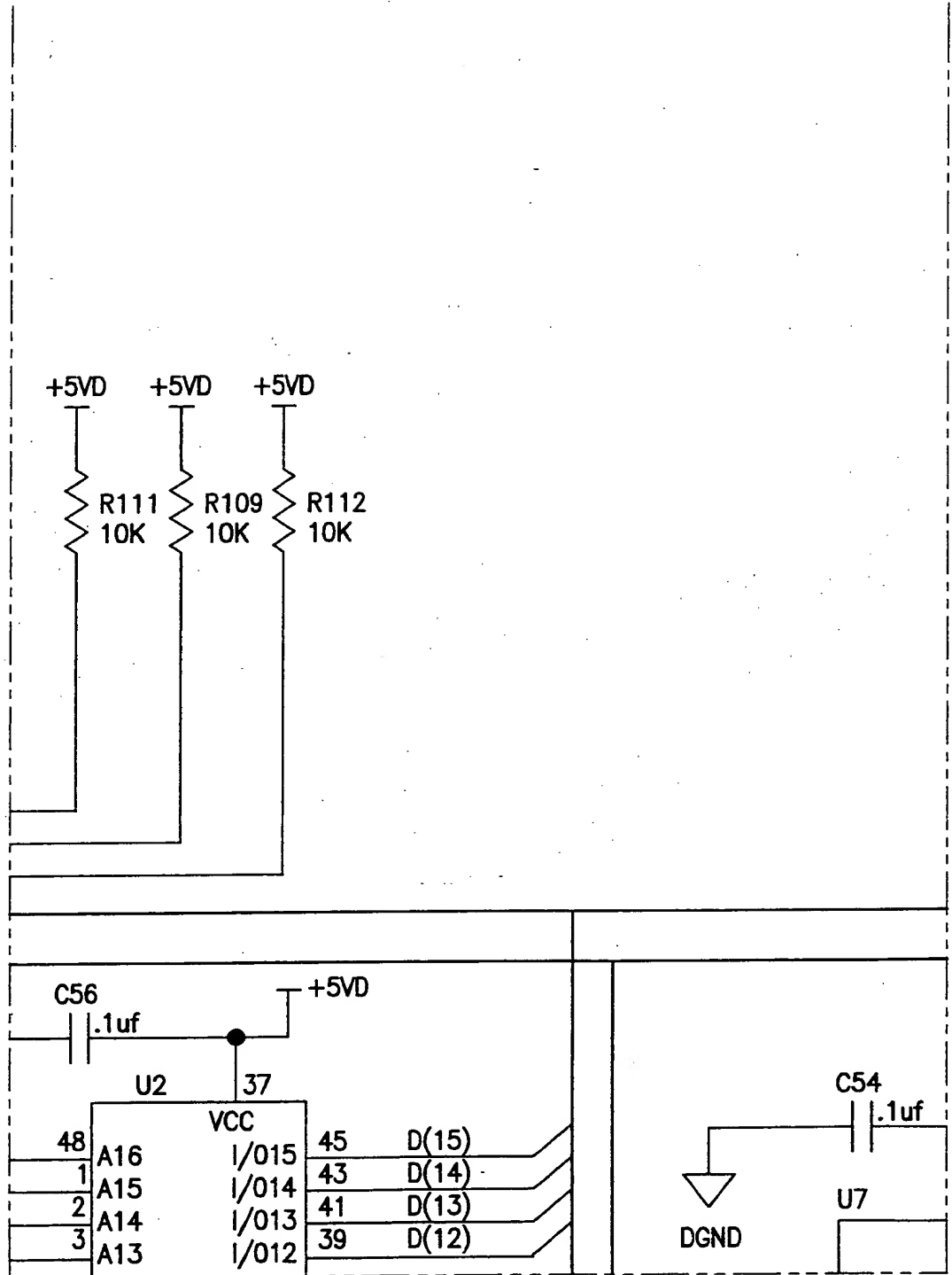
200210-20322000

FIG. 62L



200210-20522660

FIG. 62M



000000 010000 000000 000000

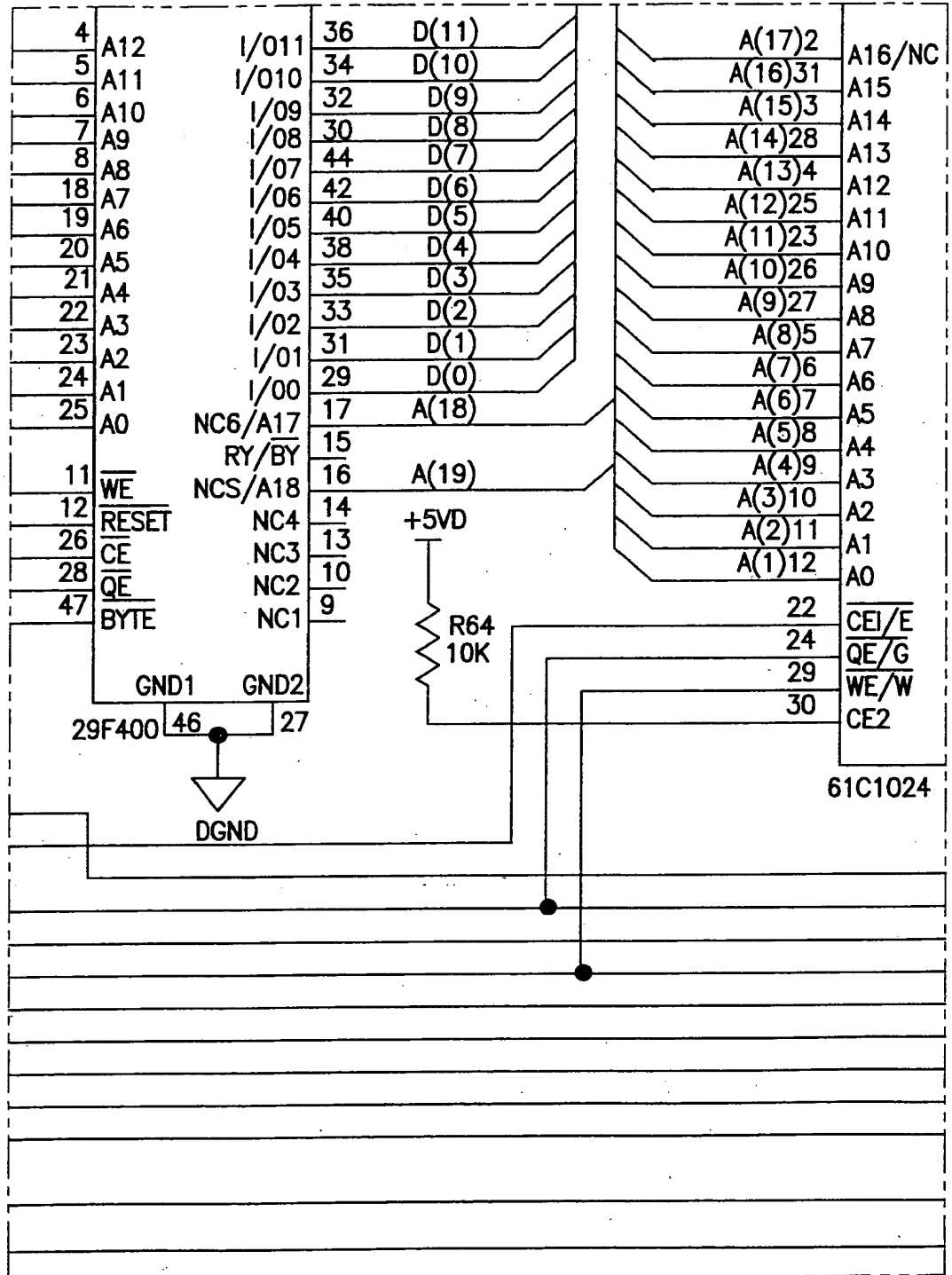
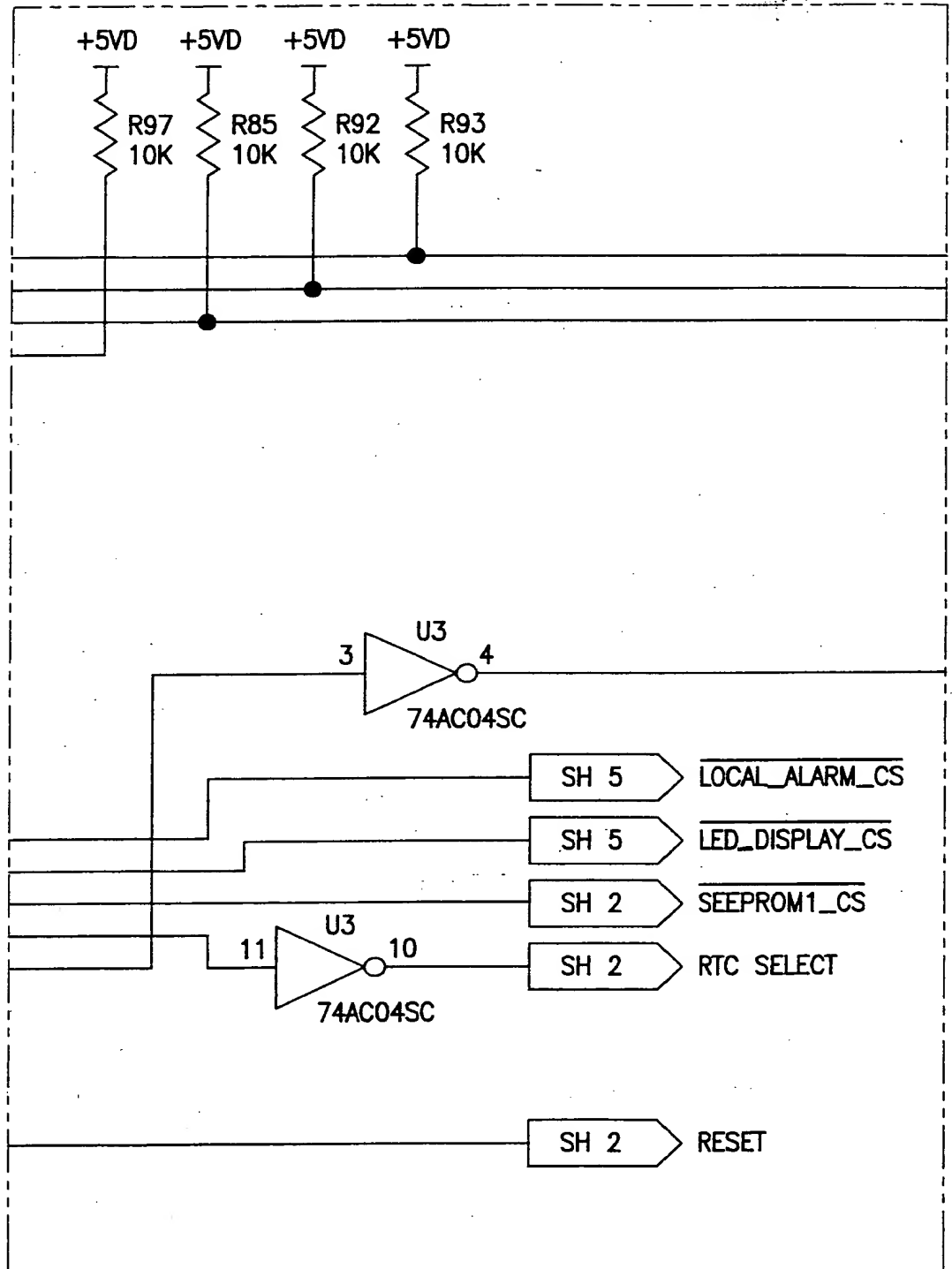
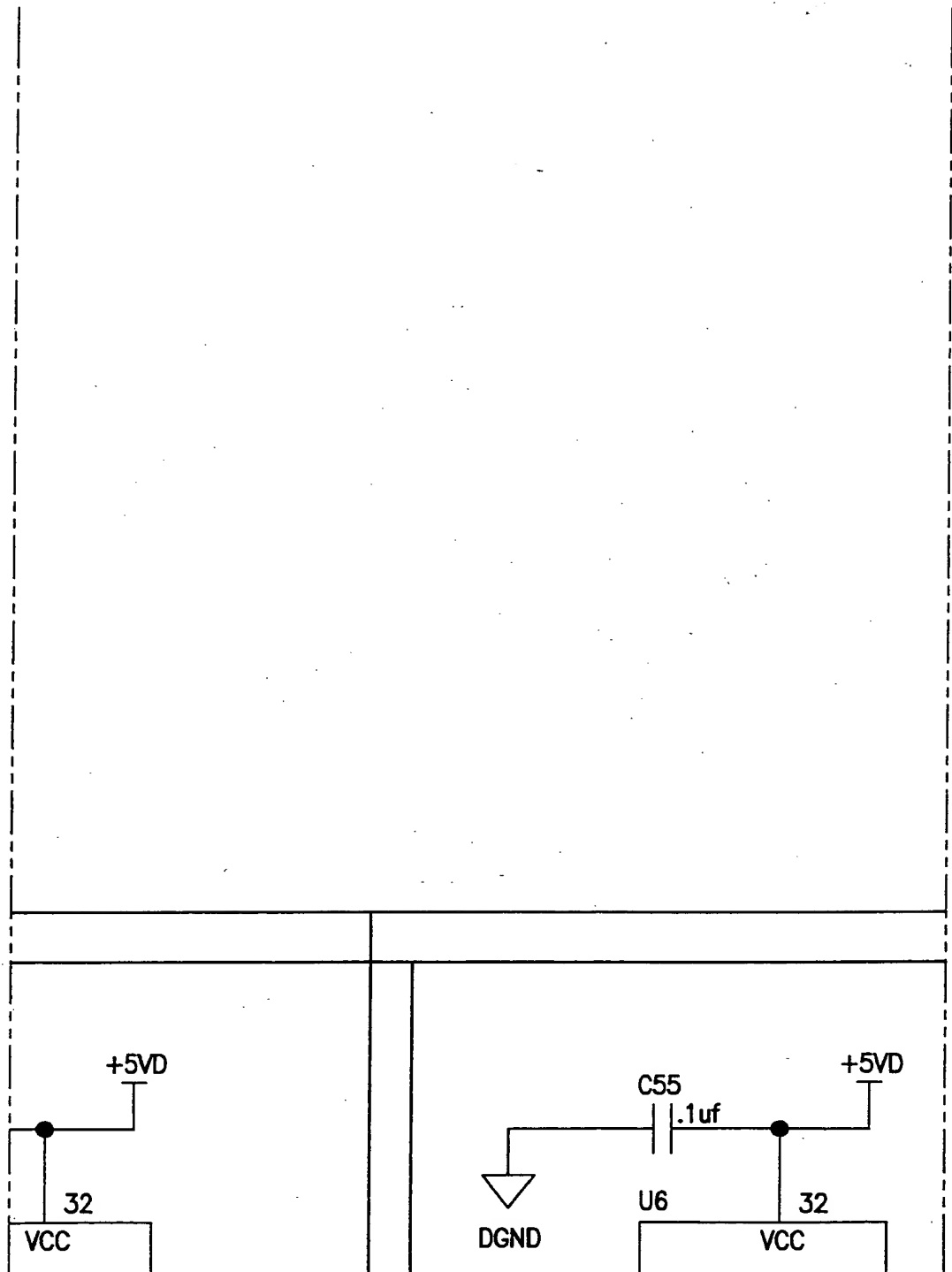
[illegible]

FIG. 620



200210 20522000

FIG. 62P



0002600 01000
200270 20022000

FIG. 62Q

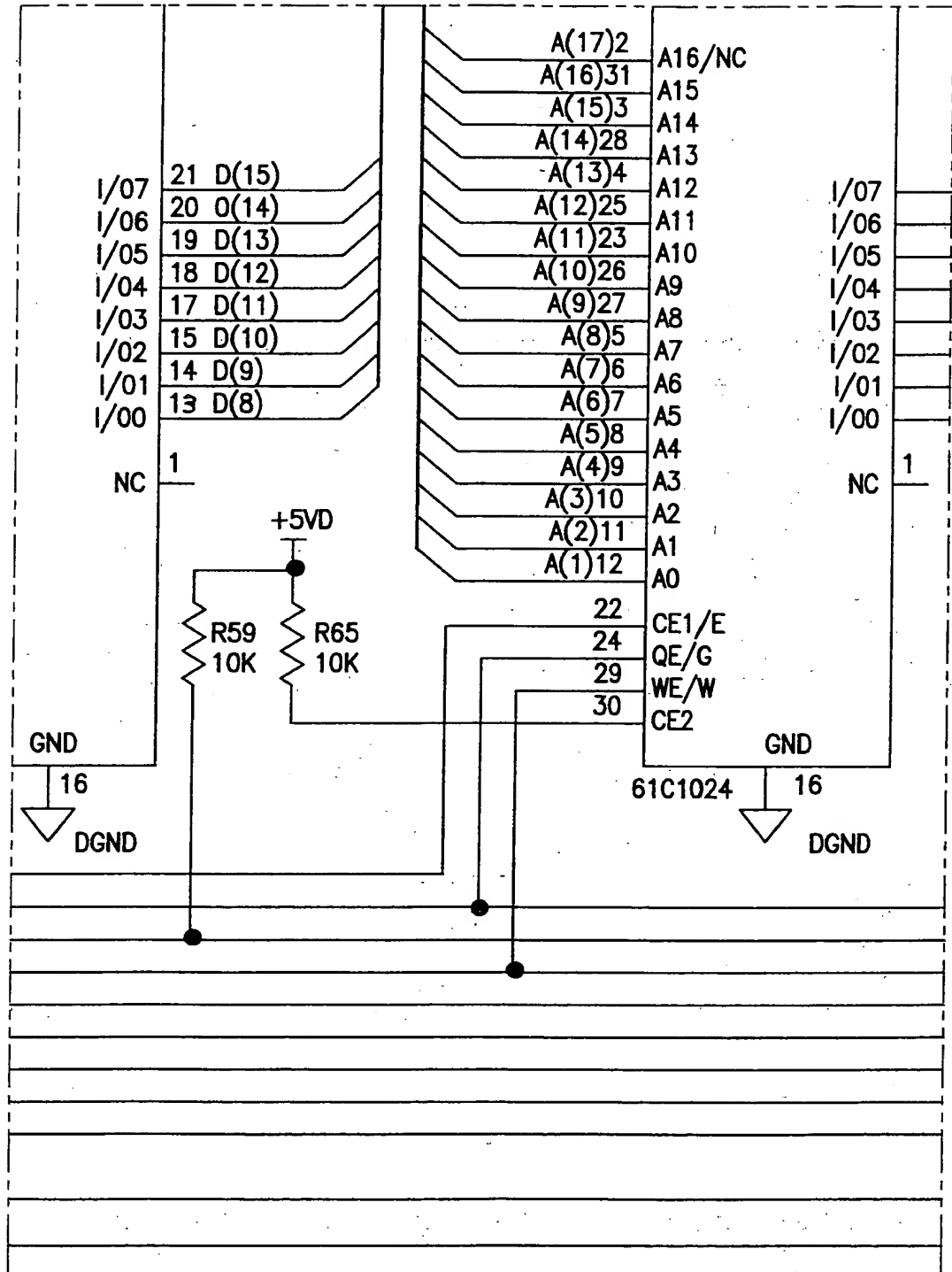


FIG. 62R

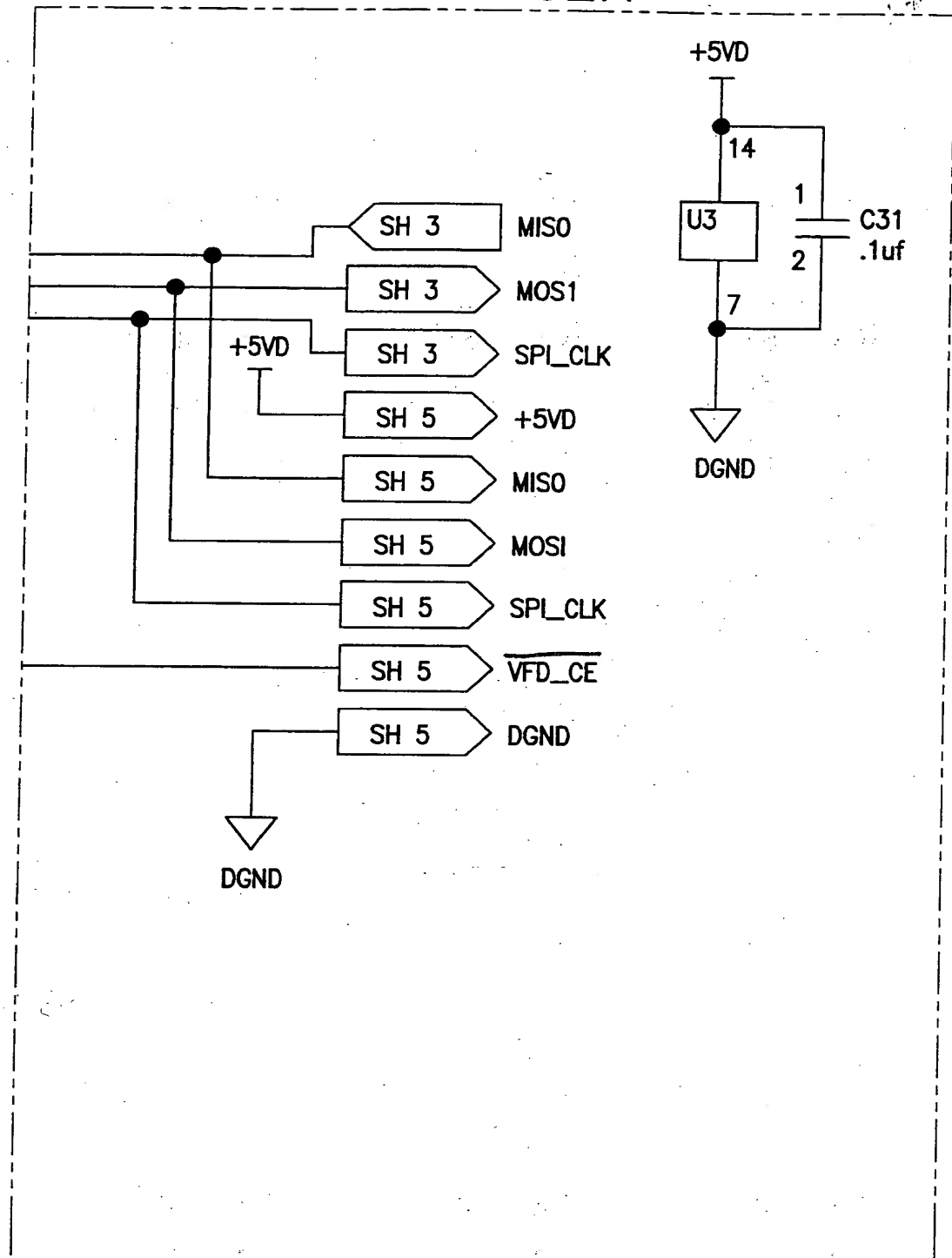
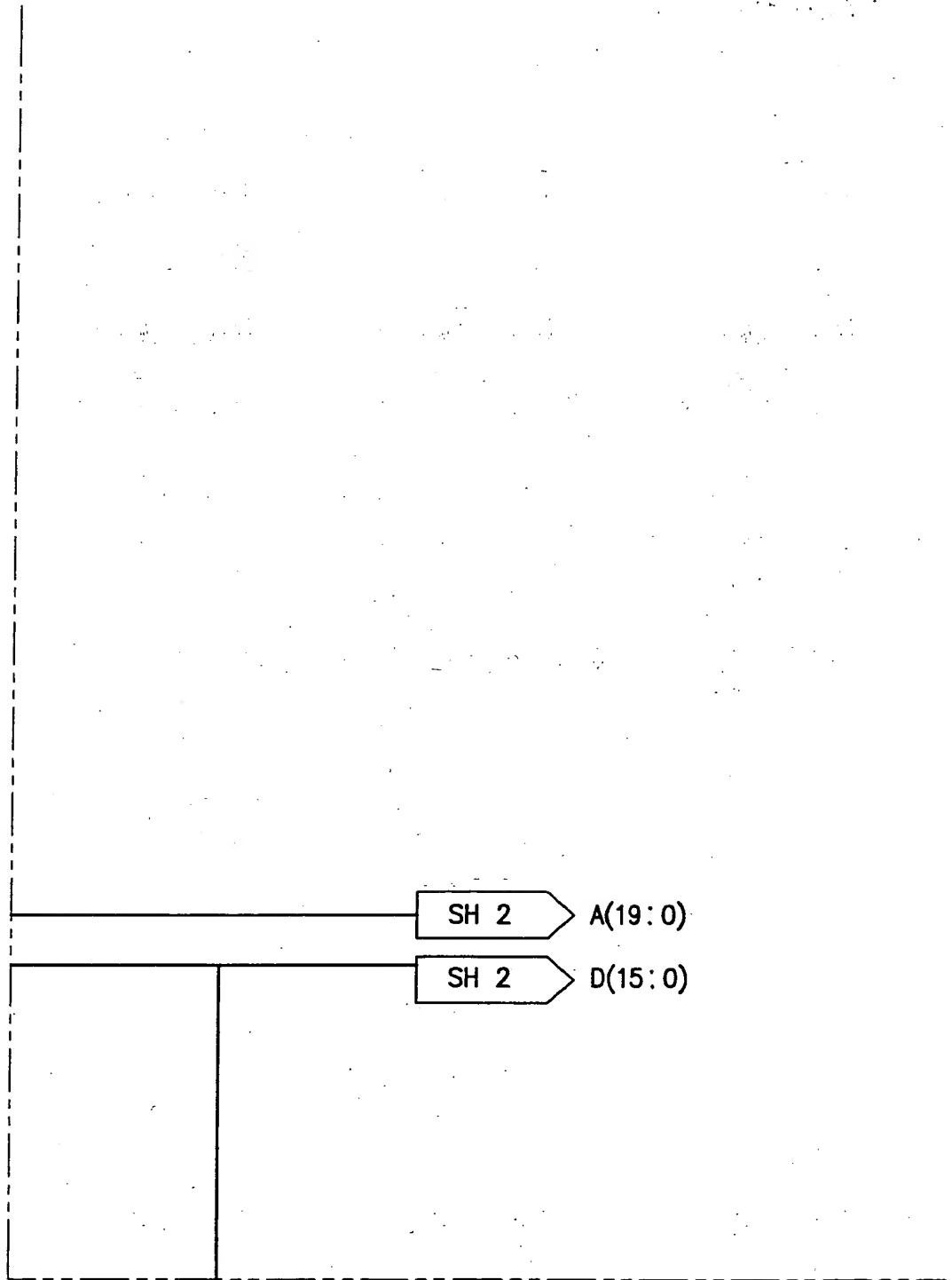
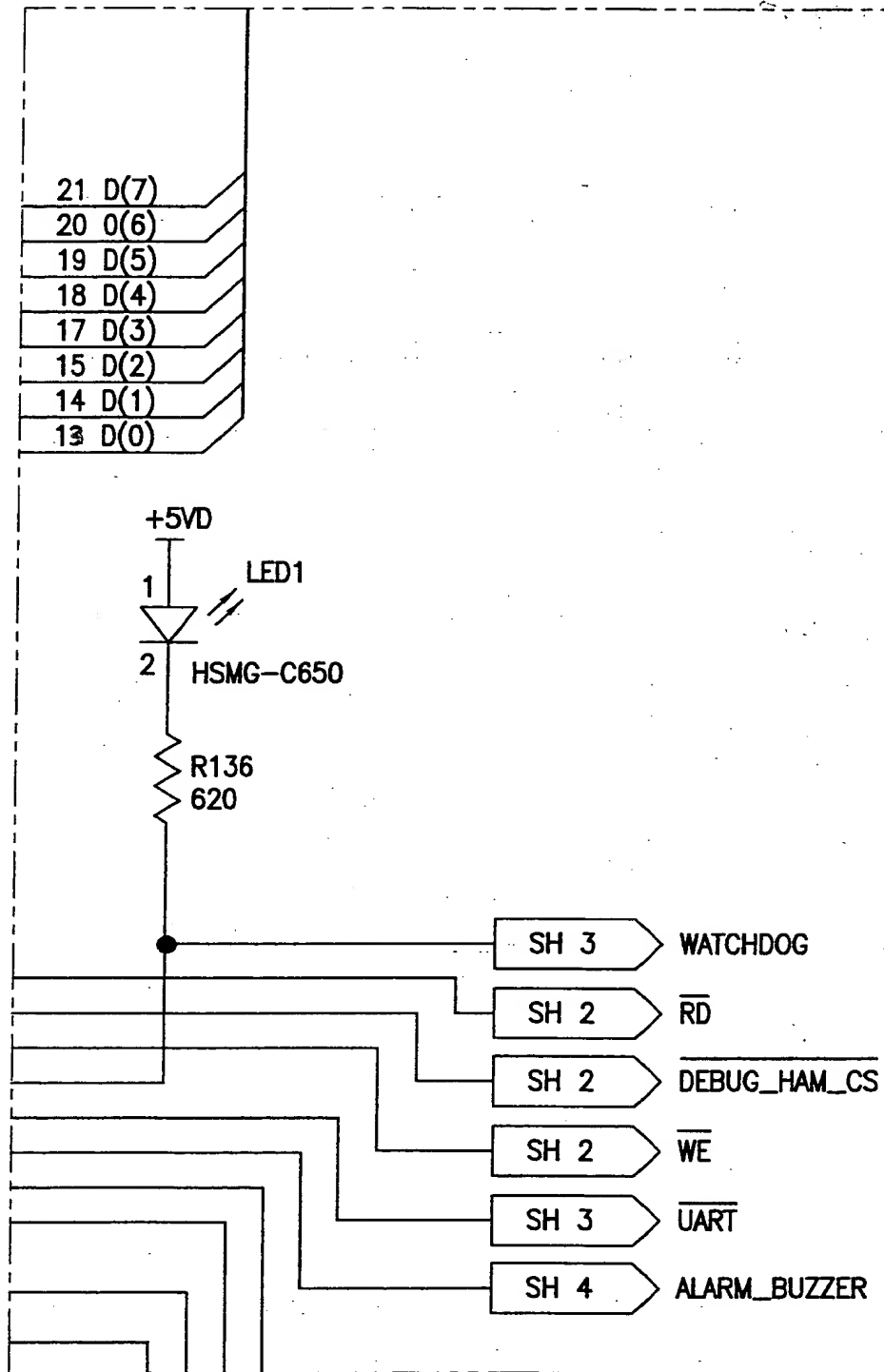


FIG. 62S



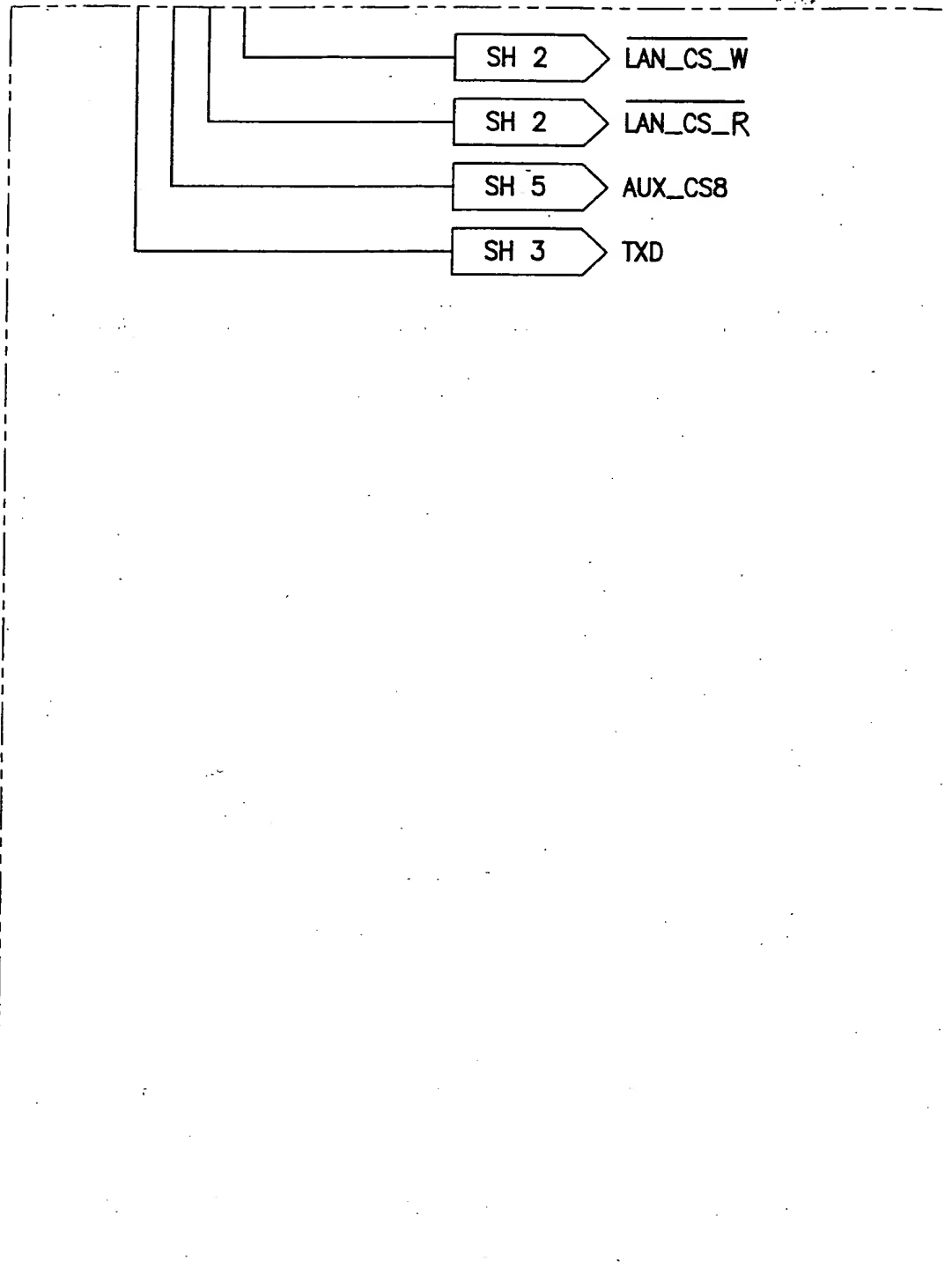
20020701 20522000

FIG. 62T



202210-20322000

FIG. 62U



00033500-013002

FIG. 63

FIG. 63A	FIG. 63D	FIG. 63G	FIG. 63J
FIG. 63B	FIG. 63E	FIG. 63H	FIG. 63K
FIG. 63C	FIG. 63F	FIG. 63I	FIG. 63L

FIG. 63A

FIG. 63A

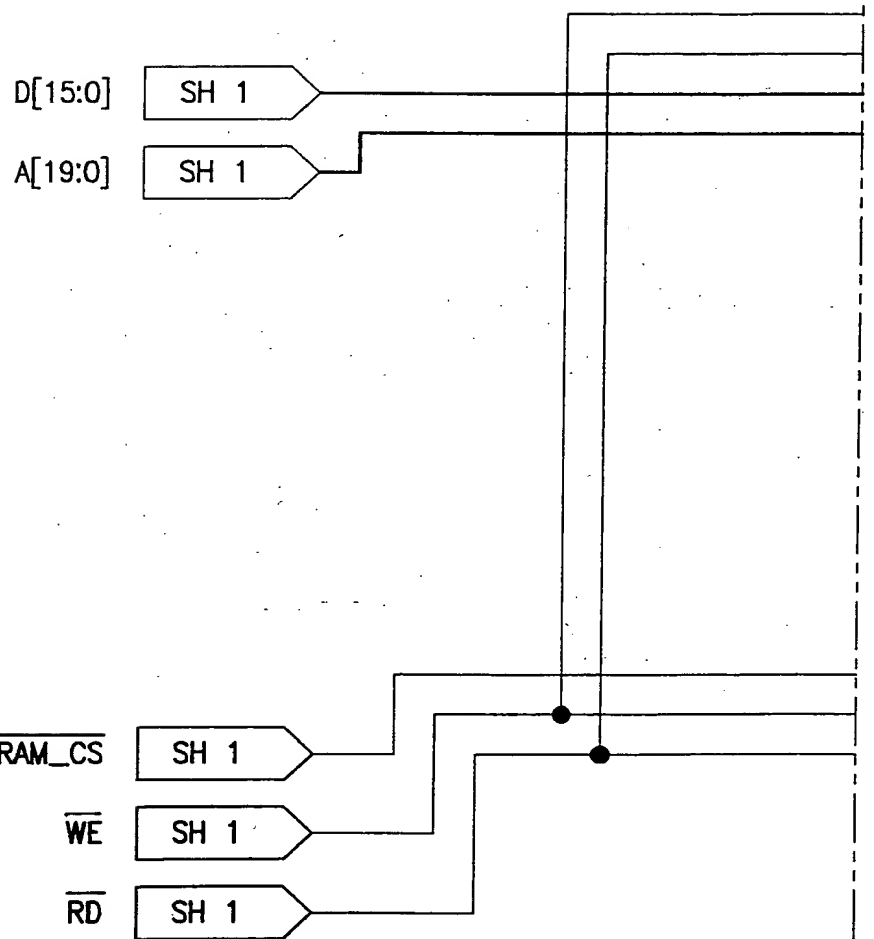


FIG. 63B

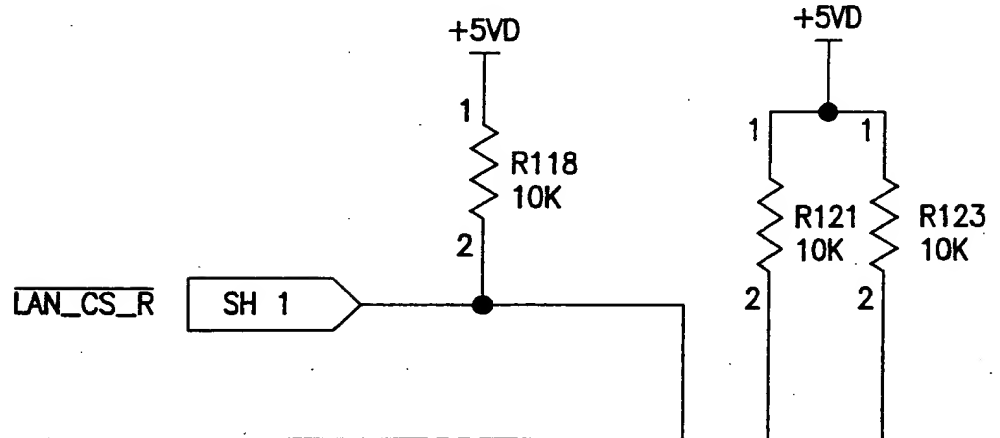
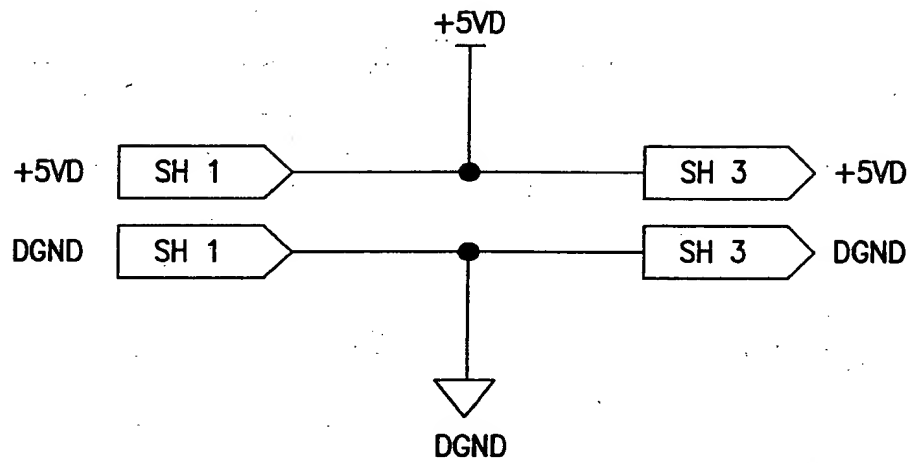
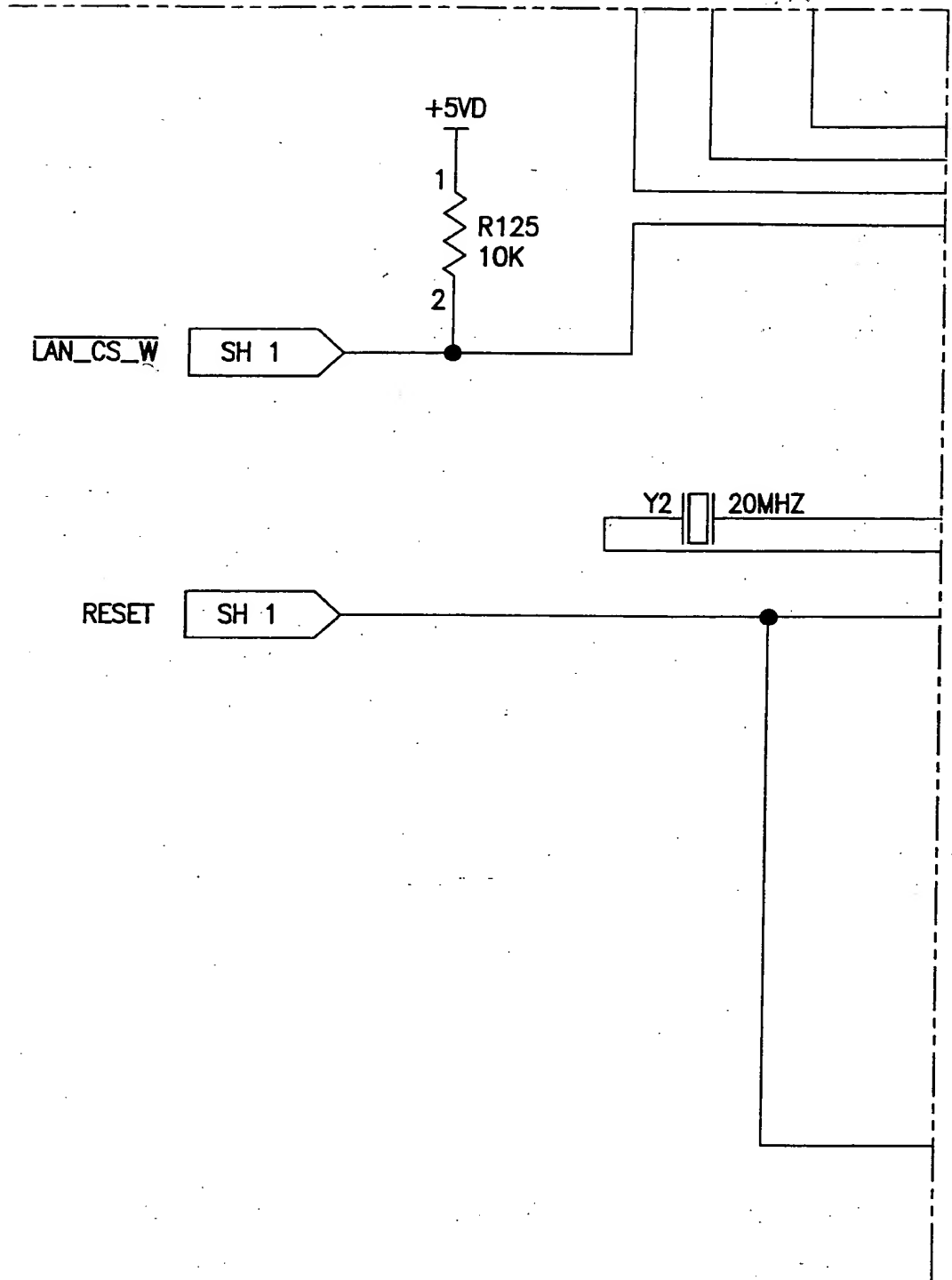


FIG. 63C



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99																																																																																																																																																															
00000000	00000001	00000002	00000003	00000004	00000005	00000006	00000007	00000008	00000009	0000000A	0000000B	0000000C	0000000D	0000000E	0000000F	0000000G	0000000H	0000000I	0000000J	0000000K	0000000L	0000000M	0000000N	0000000O	0000000P	0000000Q	0000000R	0000000S	0000000T	0000000U	0000000V	0000000W	0000000X	0000000Y	0000000Z	00000010	00000011	00000012	00000013	00000014	00000015	00000016	00000017	00000018	00000019	0000001A	0000001B	0000001C	0000001D	0000001E	0000001F	0000001G	0000001H	0000001I	0000001J	0000001K	0000001L	0000001M	0000001N	0000001O	0000001P	0000001Q	0000001R	0000001S	0000001T	0000001U	0000001V	0000001W	0000001X	0000001Y	0000001Z	00000020	00000021	00000022	00000023	00000024	00000025	00000026	00000027	00000028	00000029	0000002A	0000002B	0000002C	0000002D	0000002E	0000002F	0000002G	0000002H	0000002I	0000002J	0000002K	0000002L	0000002M	0000002N	0000002O	0000002P	0000002Q	0000002R	0000002S	0000002T	0000002U	0000002V	0000002W	0000002X	0000002Y	0000002Z	00000030	00000031	00000032	00000033	00000034	00000035	00000036	00000037	00000038	00000039	0000003A	0000003B	0000003C	0000003D	0000003E	0000003F	0000003G	0000003H	0000003I	0000003J	0000003K	0000003L	0000003M	0000003N	0000003O	0000003P	0000003Q	0000003R	0000003S	0000003T	0000003U	0000003V	0000003W	0000003X	0000003Y	0000003Z	00000040	00000041	00000042	00000043	00000044	00000045	00000046	00000047	00000048	00000049	0000004A	0000004B	0000004C	0000004D	0000004E	0000004F	0000004G	0000004H	0000004I	0000004J	0000004K	0000004L	0000004M	0000004N	0000004O	0000004P	0000004Q	0000004R	0000004S	0000004T	0000004U	0000004V	0000004W	0000004X	0000004Y	0000004Z	00000050	00000051	00000052	00000053	00000054	00000055	00000056	00000057	00000058	00000059	0000005A	0000005B	0000005C	0000005D	0000005E	0000005F	0000005G	0000005H	0000005I	0000005J	0000005K	0000005L	0000005M	0000005N	0000005O	0000005P	0000005Q	0000005R	0000005S	0000005T	0000005U	0000005V	0000005W	0000005X	0000005Y	0000005Z	00000060	00000061	00000062	00000063	00000064	00000065	00000066	00000067	00000068	00000069	0000006A	0000006B	0000006C	0000006D	0000006E	0000006F	0000006G	0000006H	0000006I	0000006J	0000006K	0000006L	0000006M	0000006N	0000006O	0000006P	0000006Q	0000006R	0000006S	0000006T	0000006U	0000006V	0000006W	0000006X	0000006Y	0000006Z	00000070	00000071	00000072	00000073	00000074	00000075	00000076	00000077

[illegible][illegible]

FIG. 63E

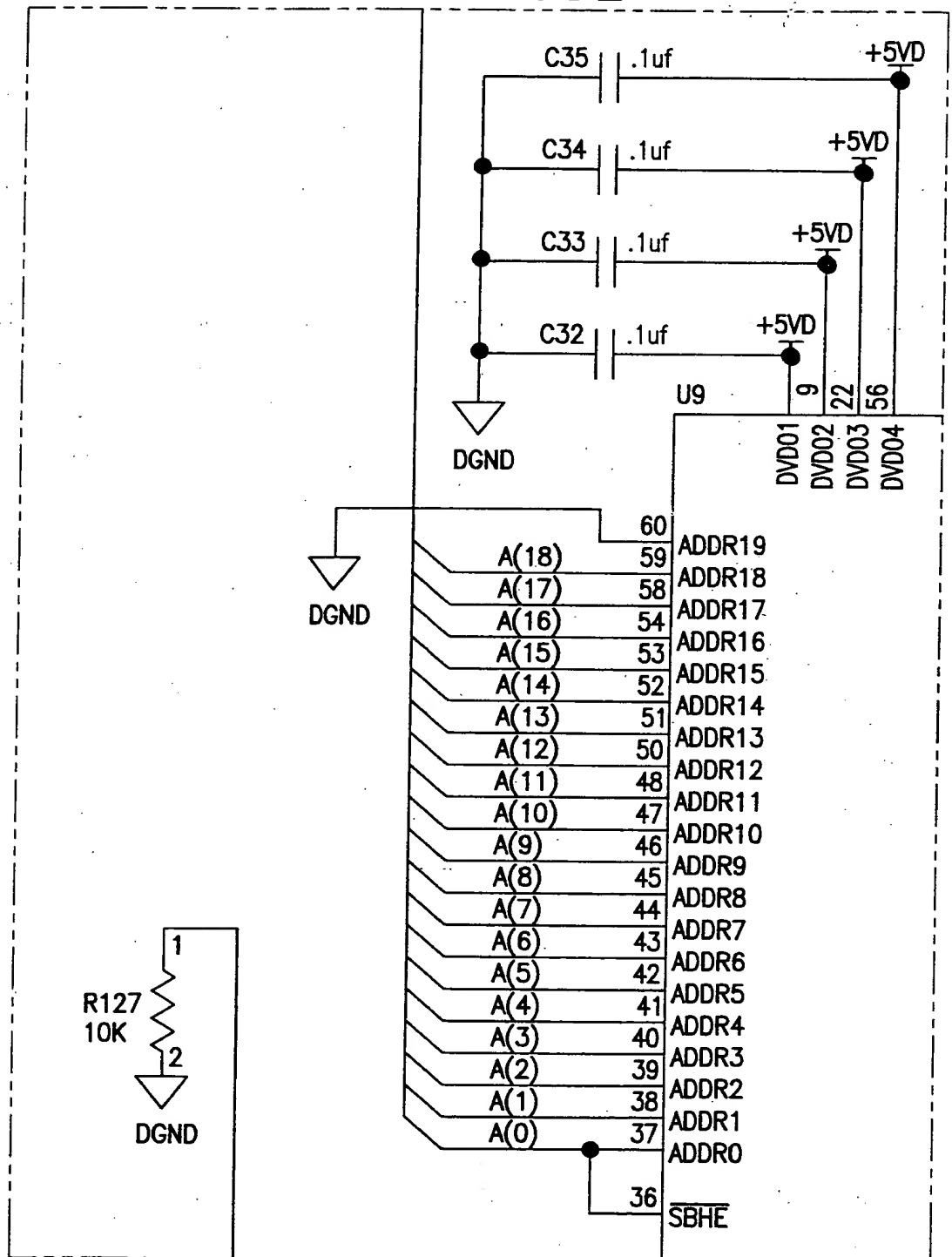


FIG. 63F

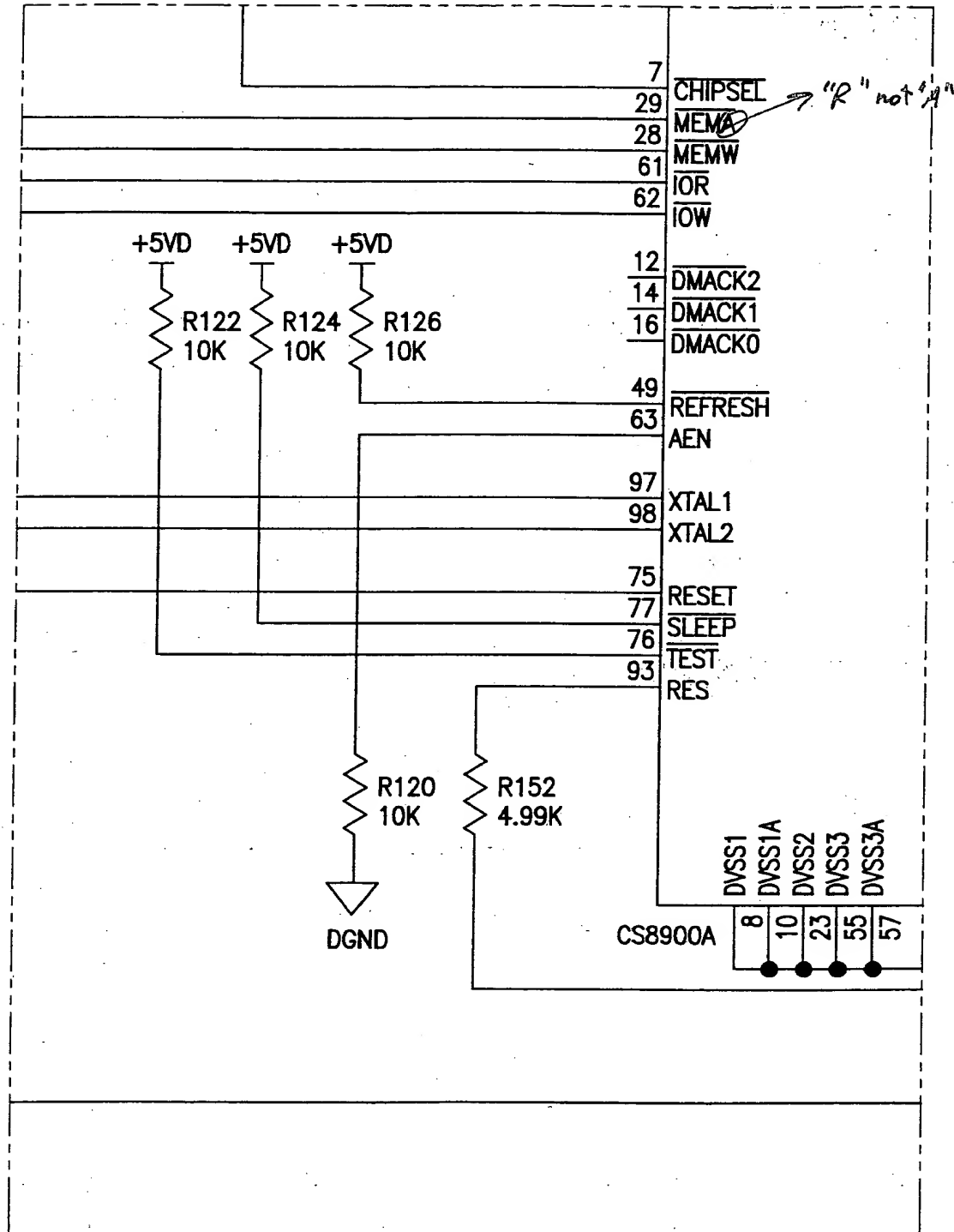
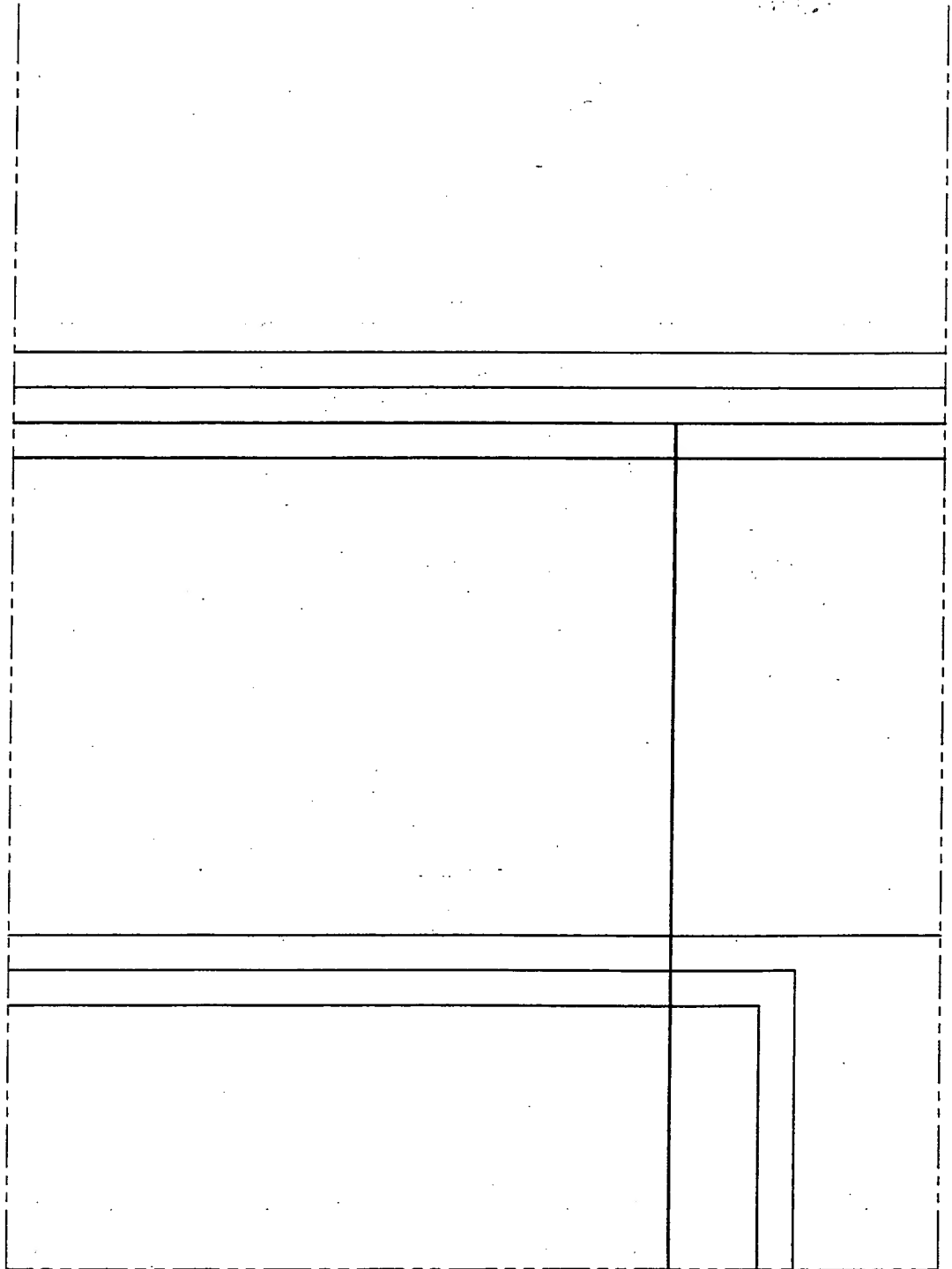


FIG. 63G



20050101 20050101

FIG. 63H

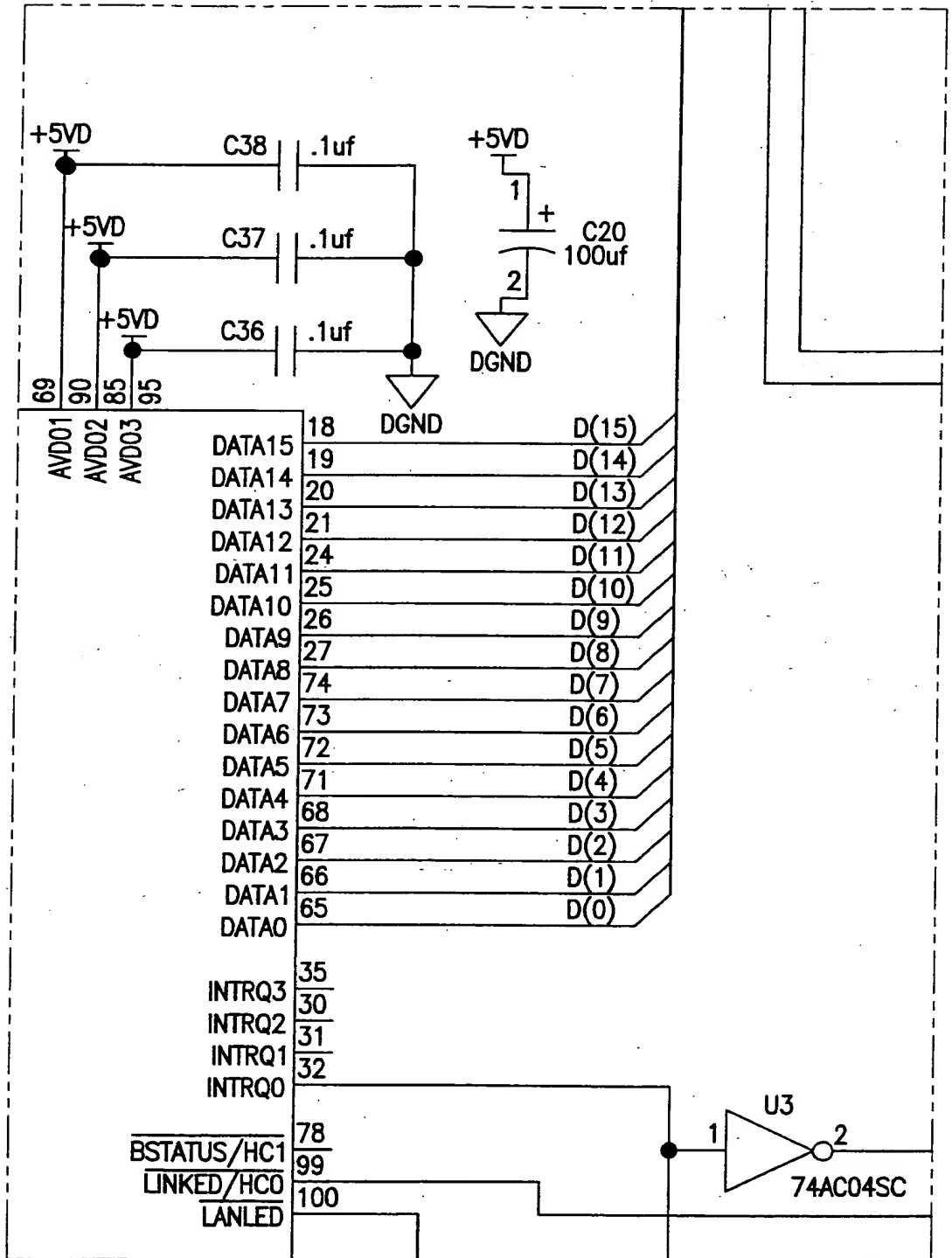


FIG. 63I

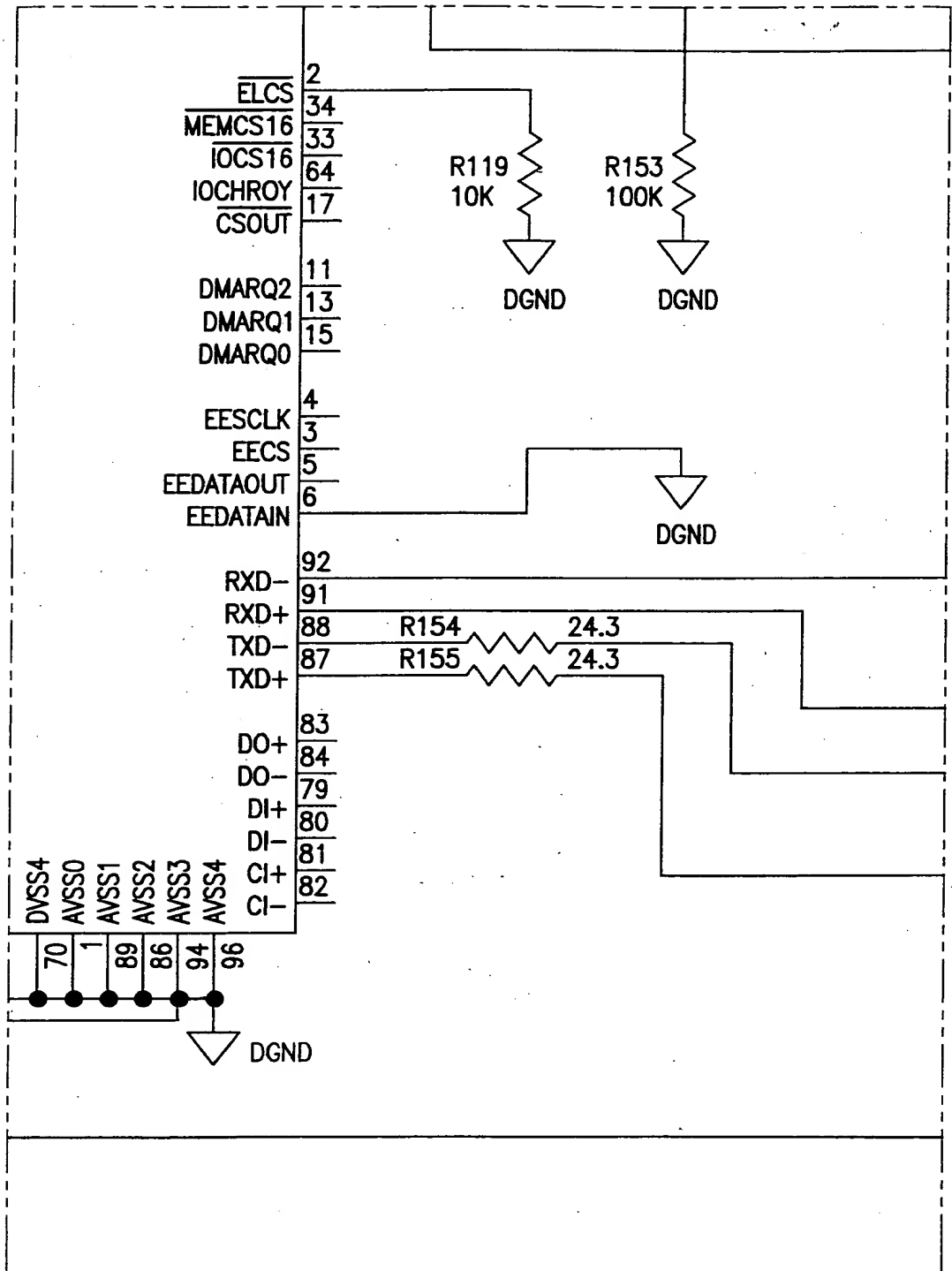
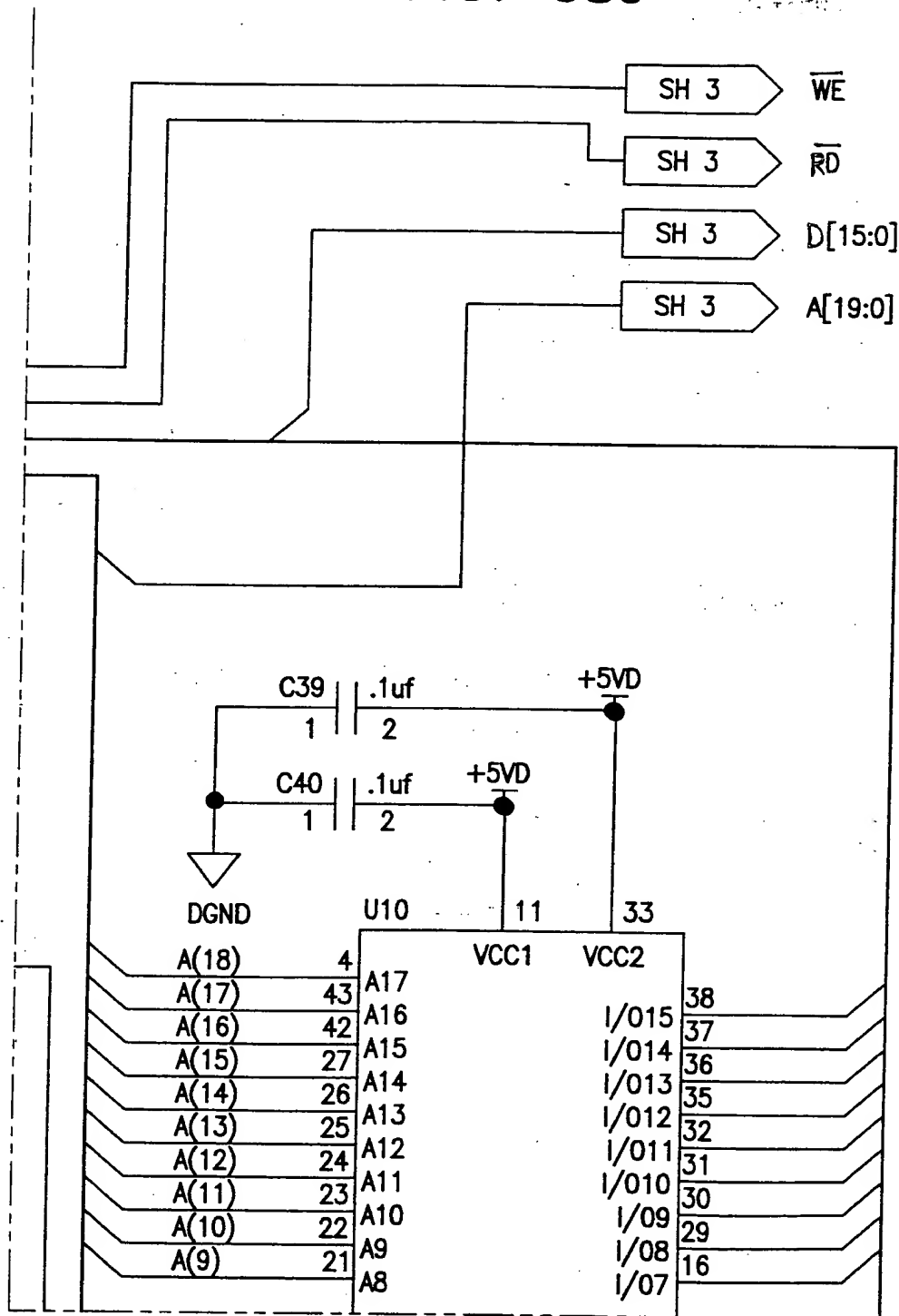
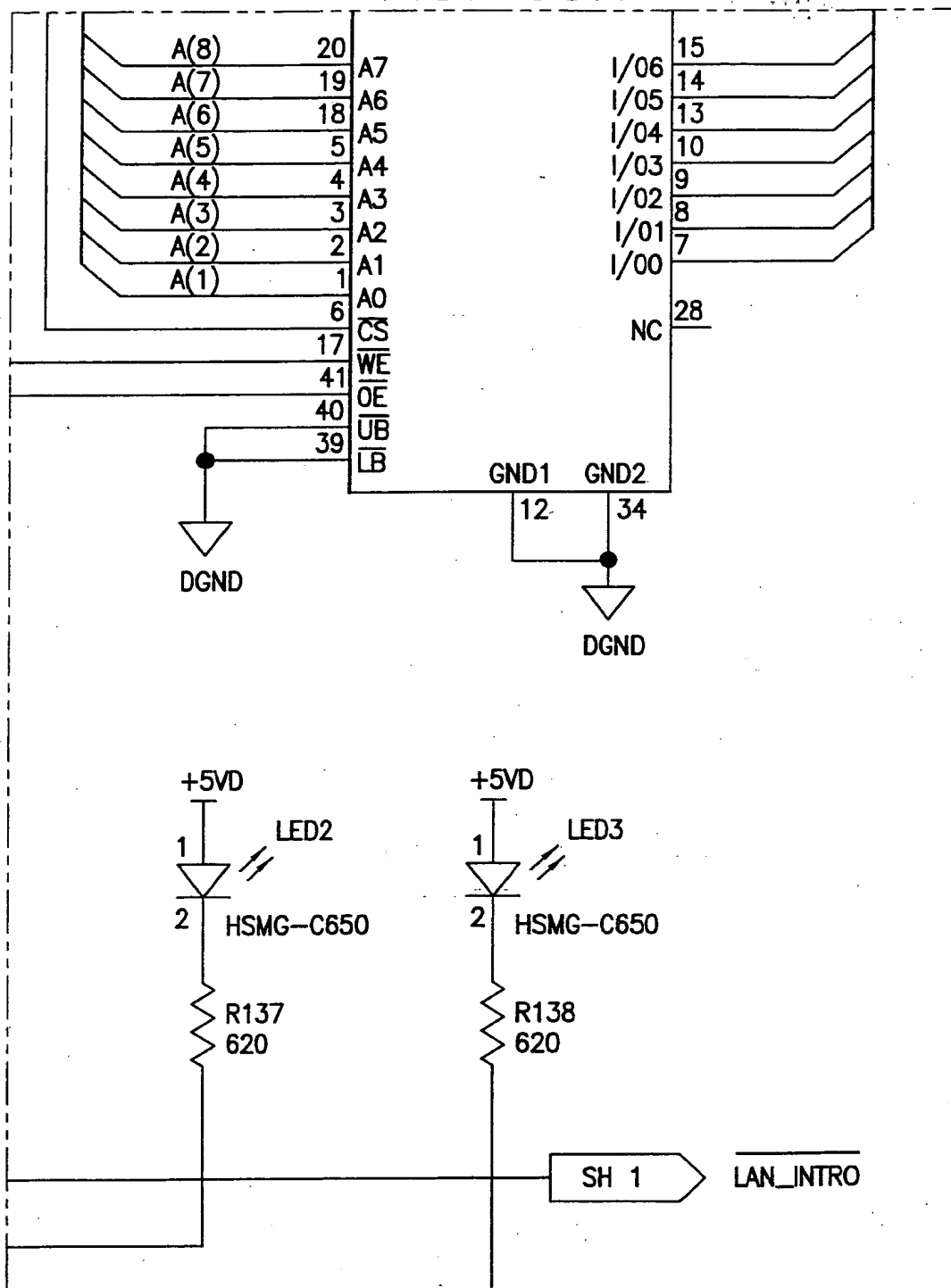


FIG. 63J



2025-01-20 10:00:00

FIG. 63K



205210-20922000

FIG. 63L

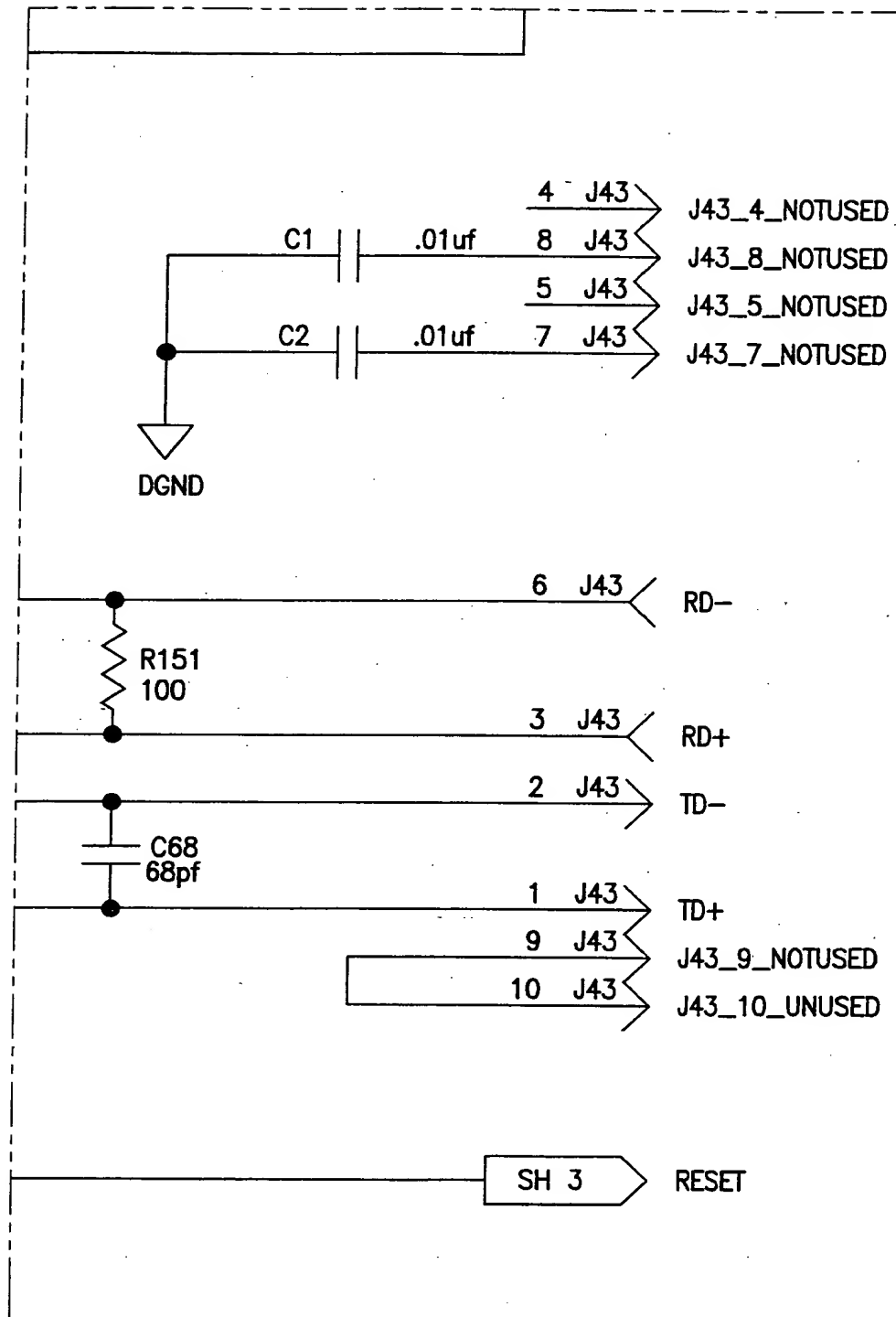


FIG. 64

FIG. 64A	FIG. 64D	FIG. 64G	FIG. 64J	FIG. 64M	FIG. 64P
FIG. 64B	FIG. 64E	FIG. 64H	FIG. 64K	FIG. 64N	FIG. 64Q
FIG. 64C	FIG. 64F	FIG. 64I	FIG. 64L	FIG. 64O	

FIG. 64A

FIG. 64A

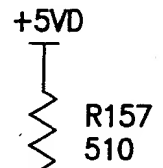
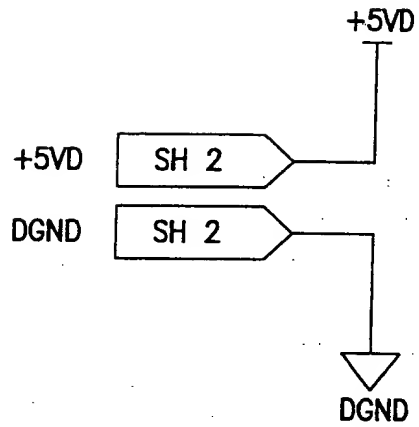
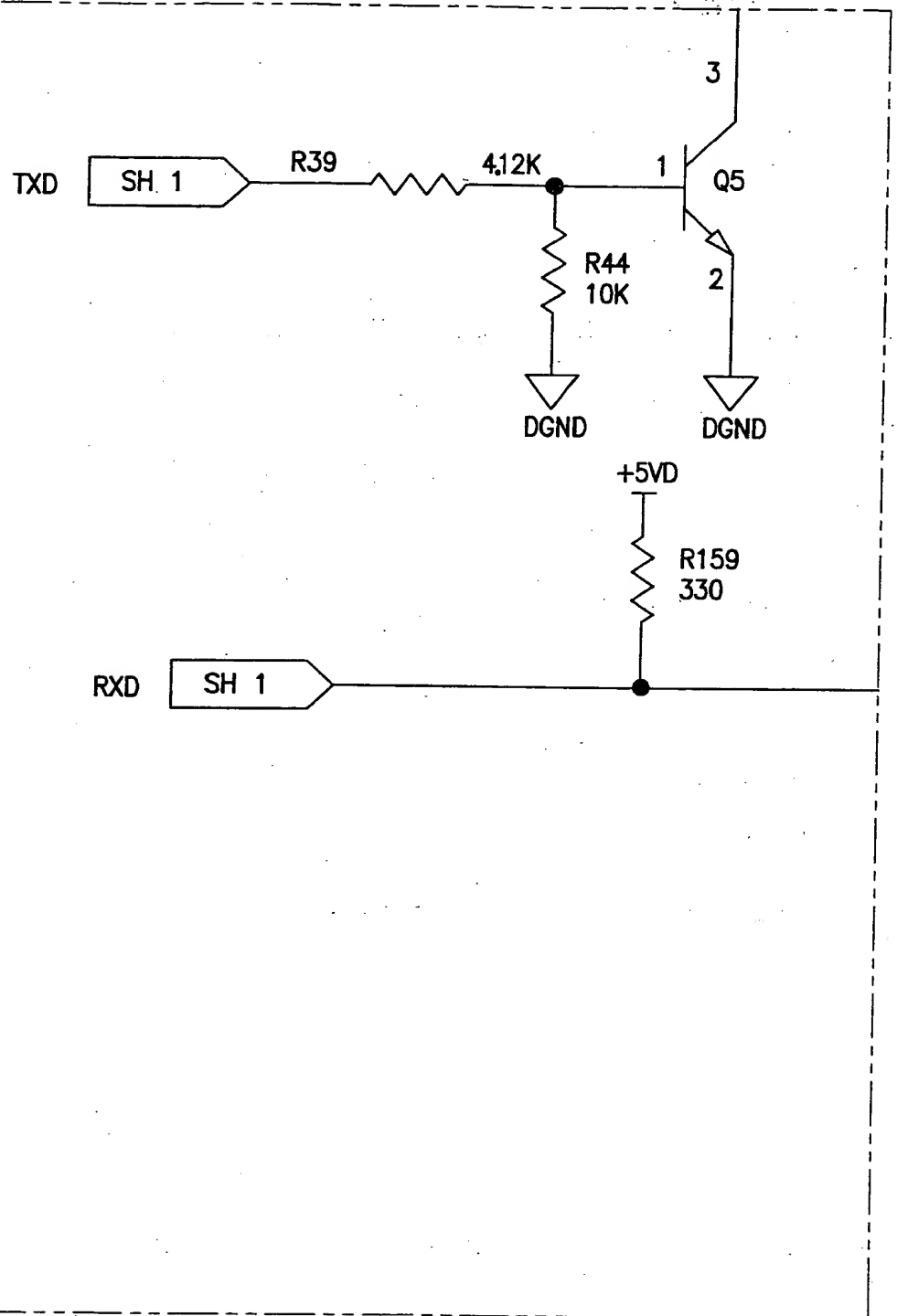
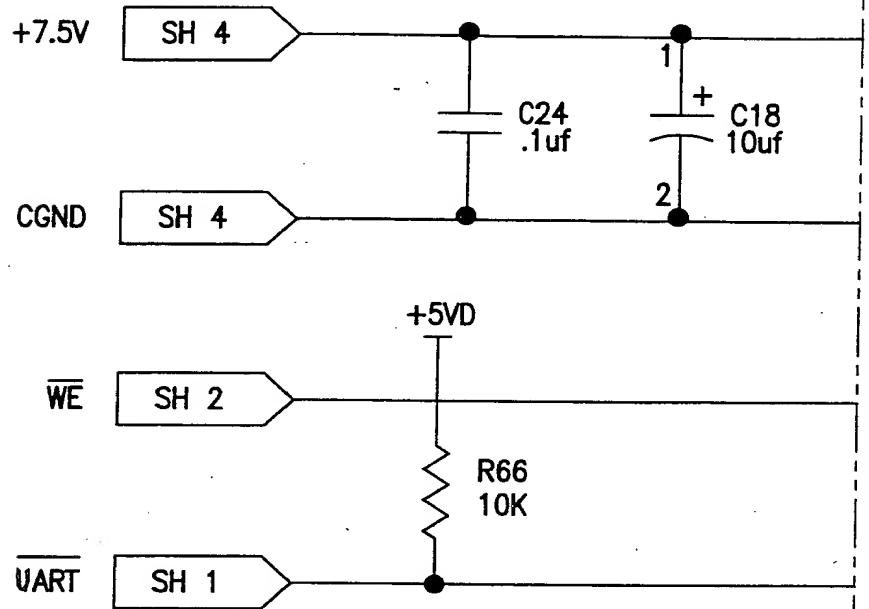


FIG. 64B



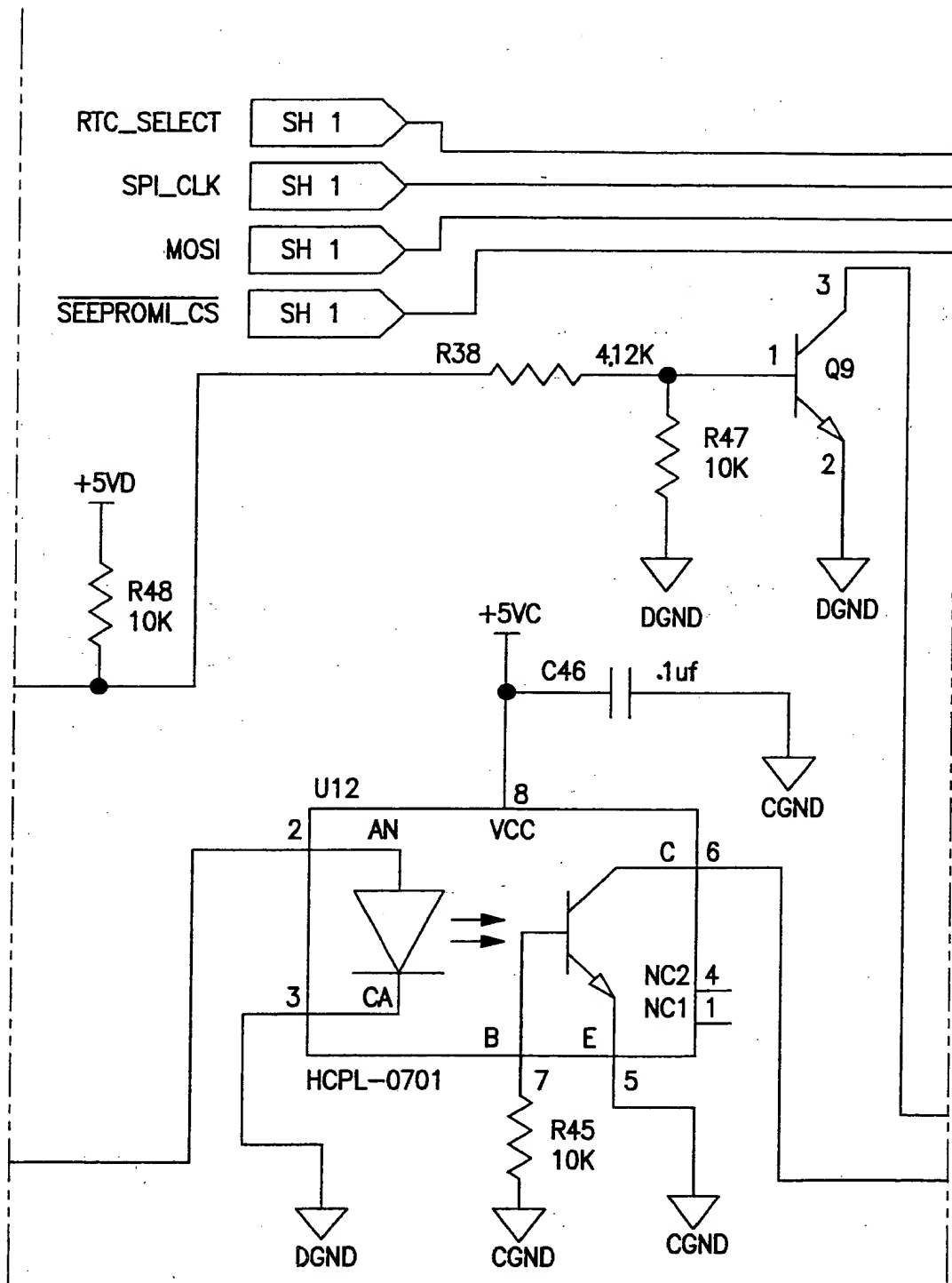
20250120 20250120

FIG. 64C



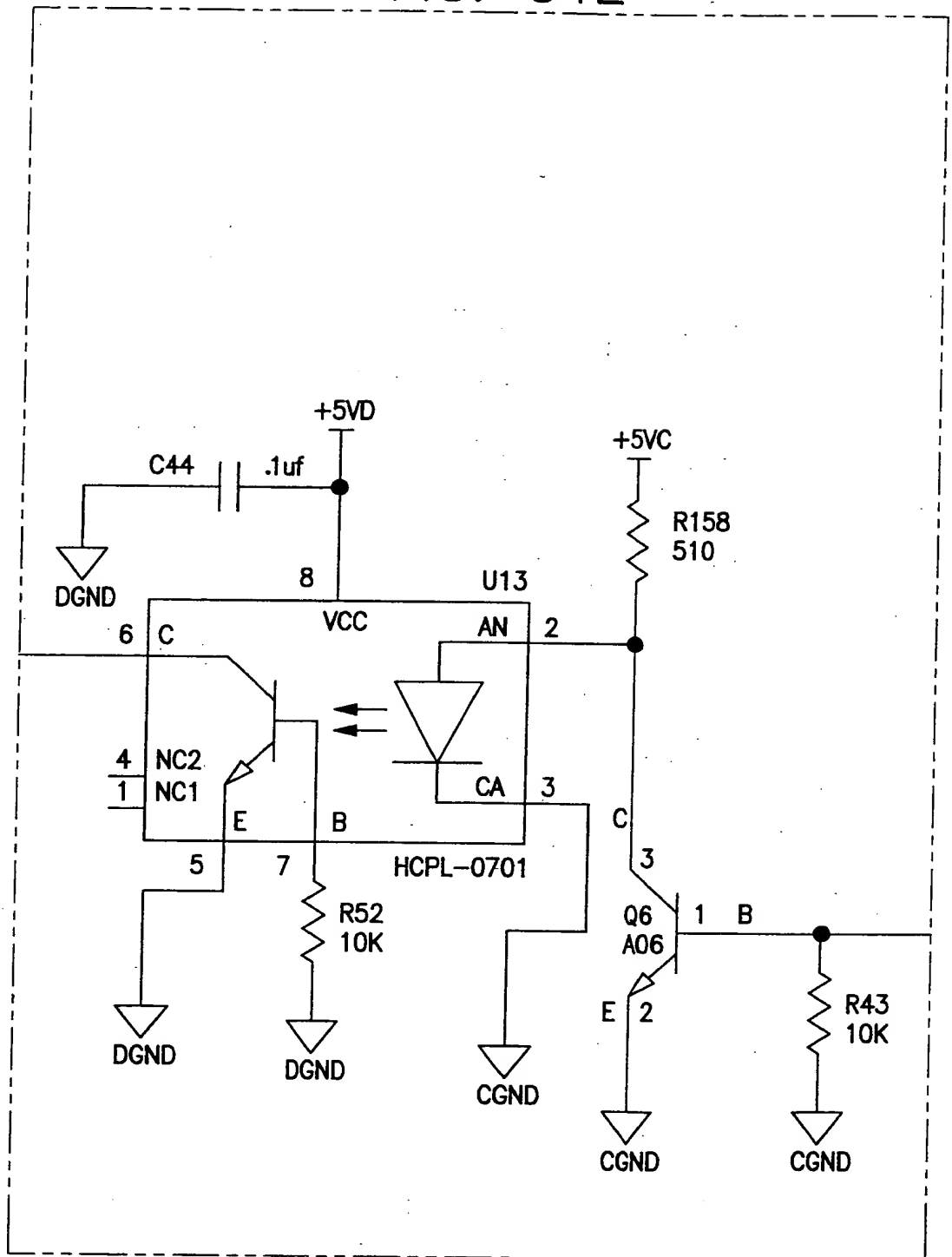
2025-01-20 10:20:00

FIG. 64D



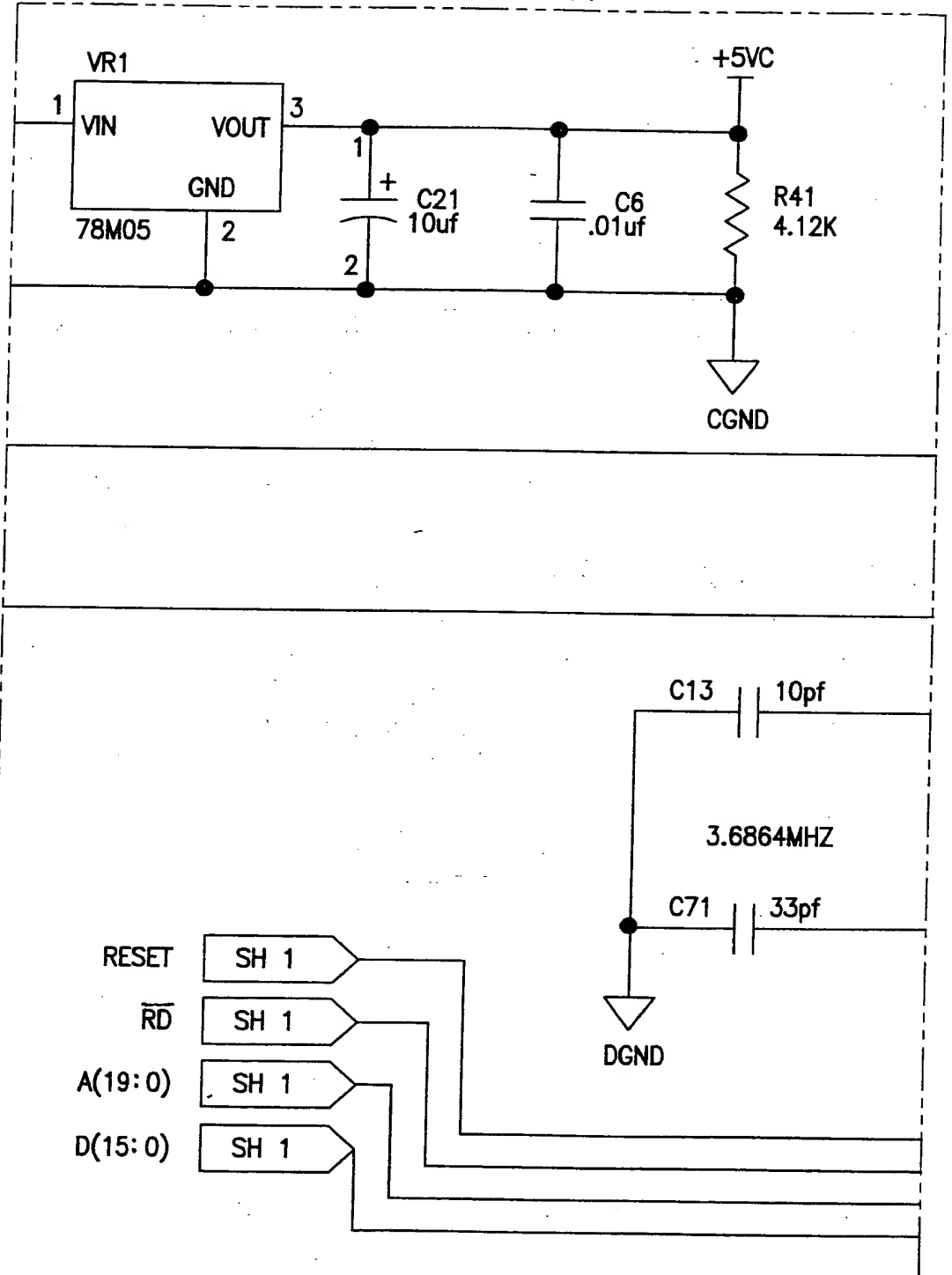
20030701-20030701

FIG. 64E



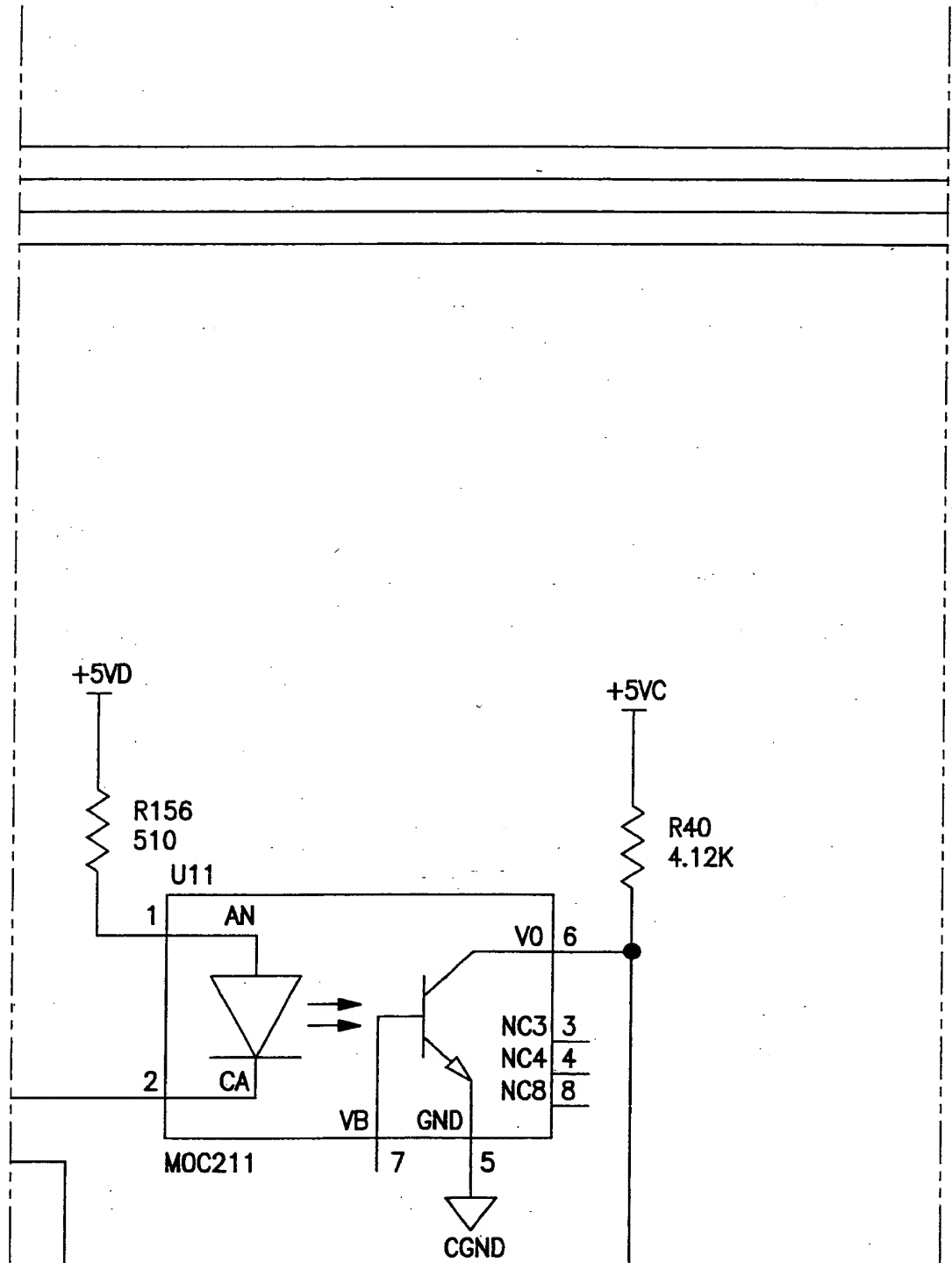
200300-01000

FIG. 64F



2022-07-20 20:22:00

FIG. 64G



000000-010000

20020-20322000

FIG. 64H

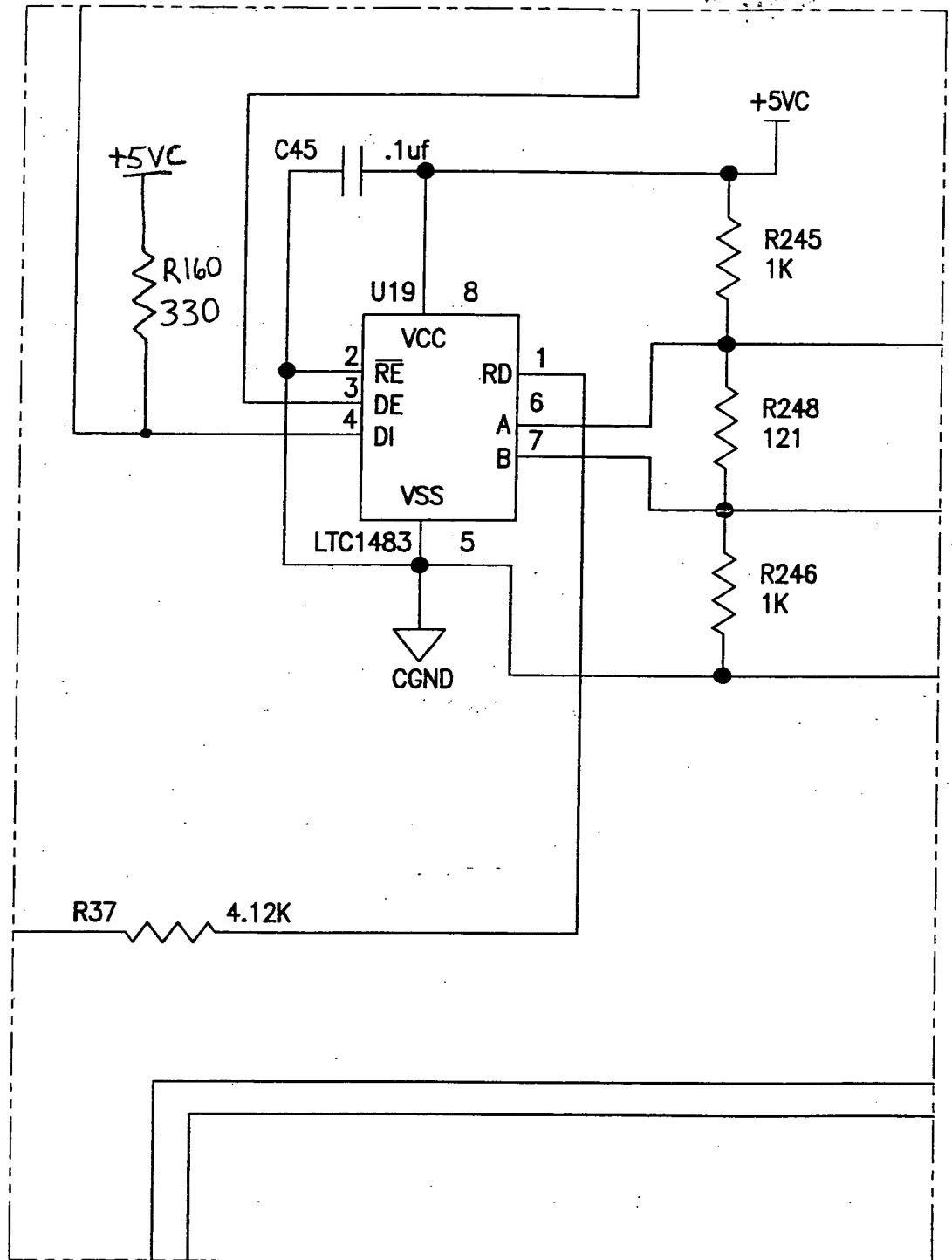
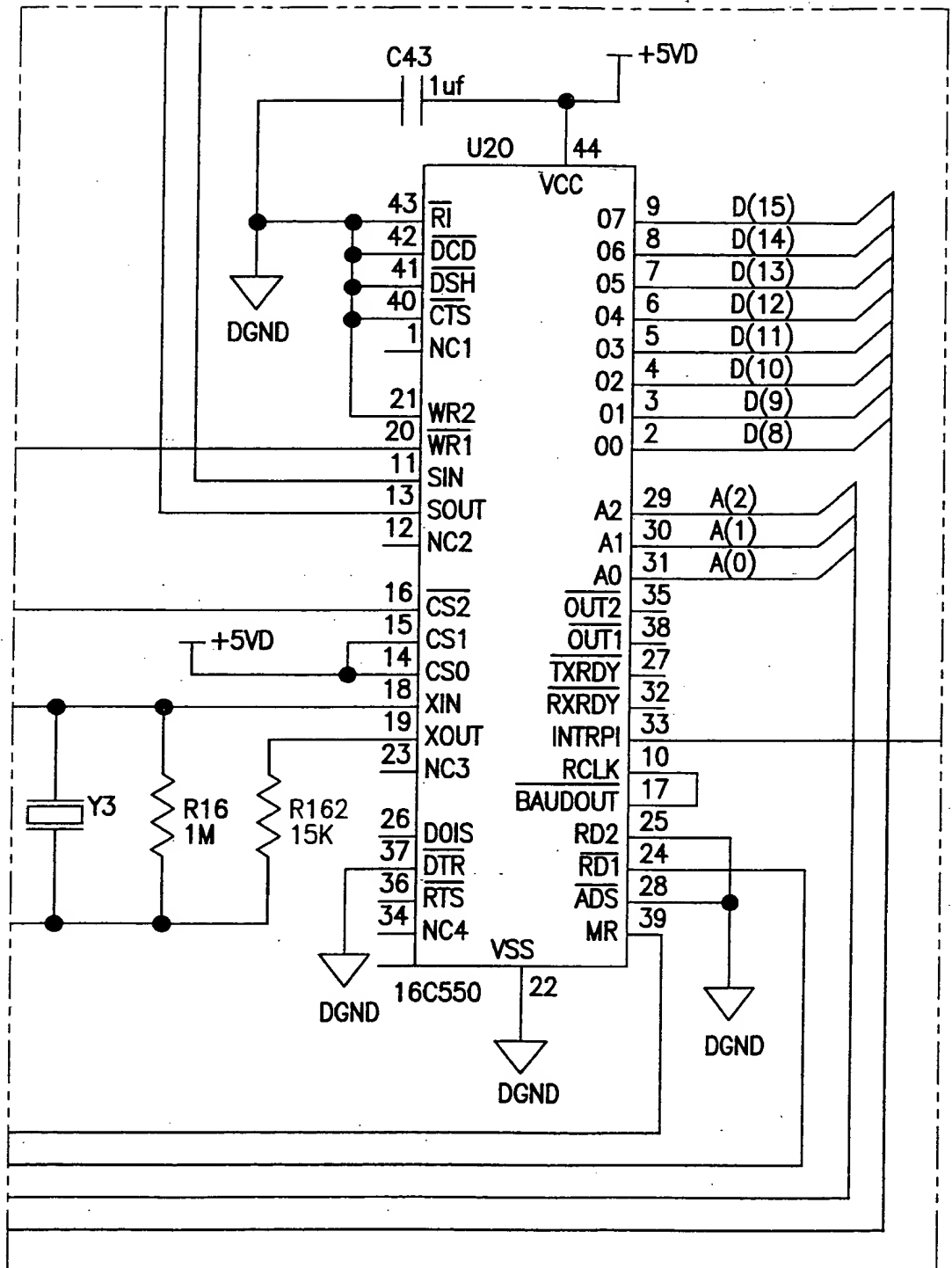
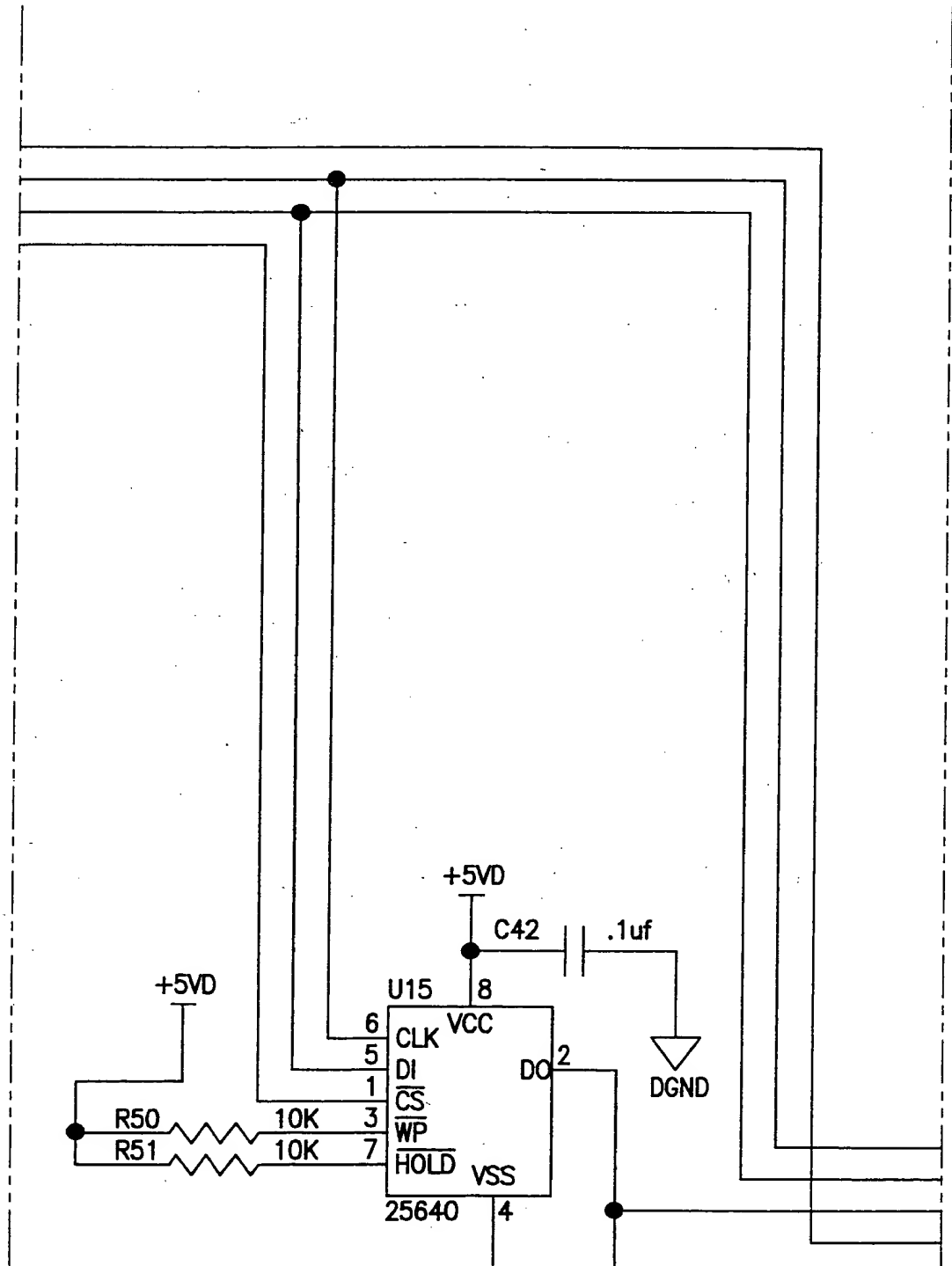


FIG. 64I



000000-040000

FIG. 64J



200670-203E600

The diagram illustrates the interaction between the environment and the economy. The top half, labeled 'Environment', includes 'Natural Resources' and 'Pollution'. The bottom half, labeled 'Economy', includes 'Production' and 'Consumption'. Arrows show that 'Natural Resources' feed into 'Production', 'Production' leads to 'Pollution', 'Pollution' affects 'Consumption', and 'Consumption' depletes 'Natural Resources'.

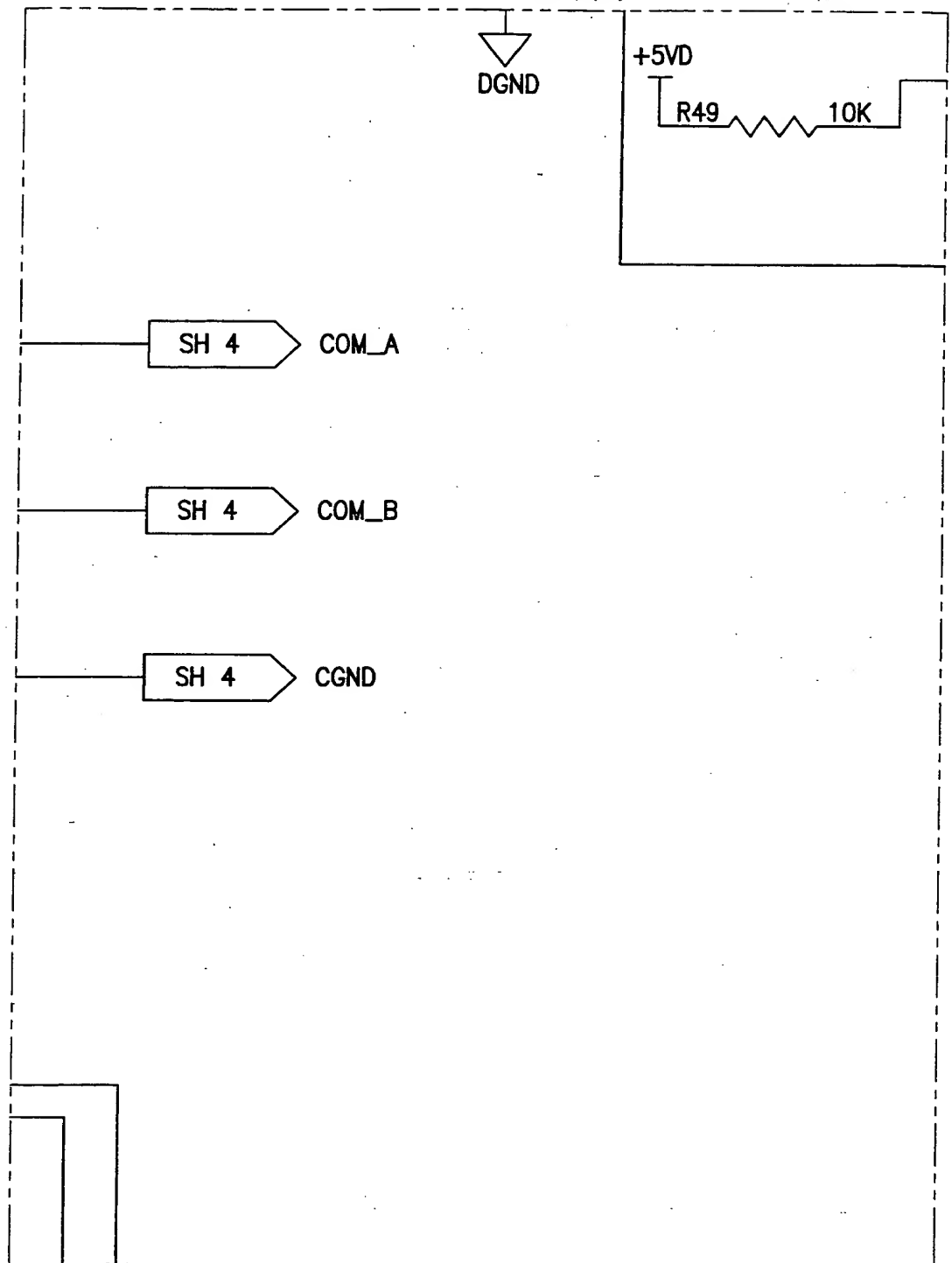
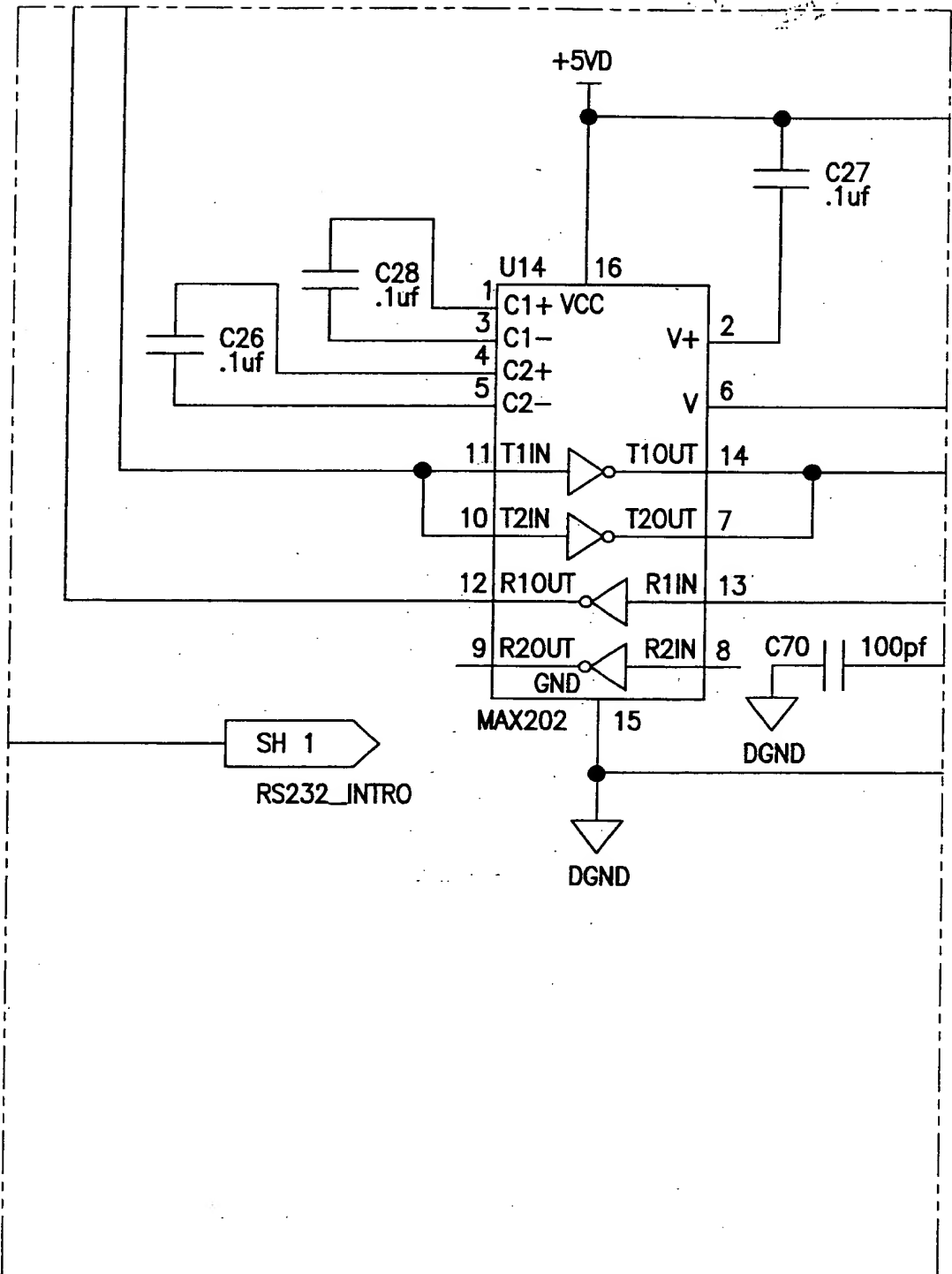
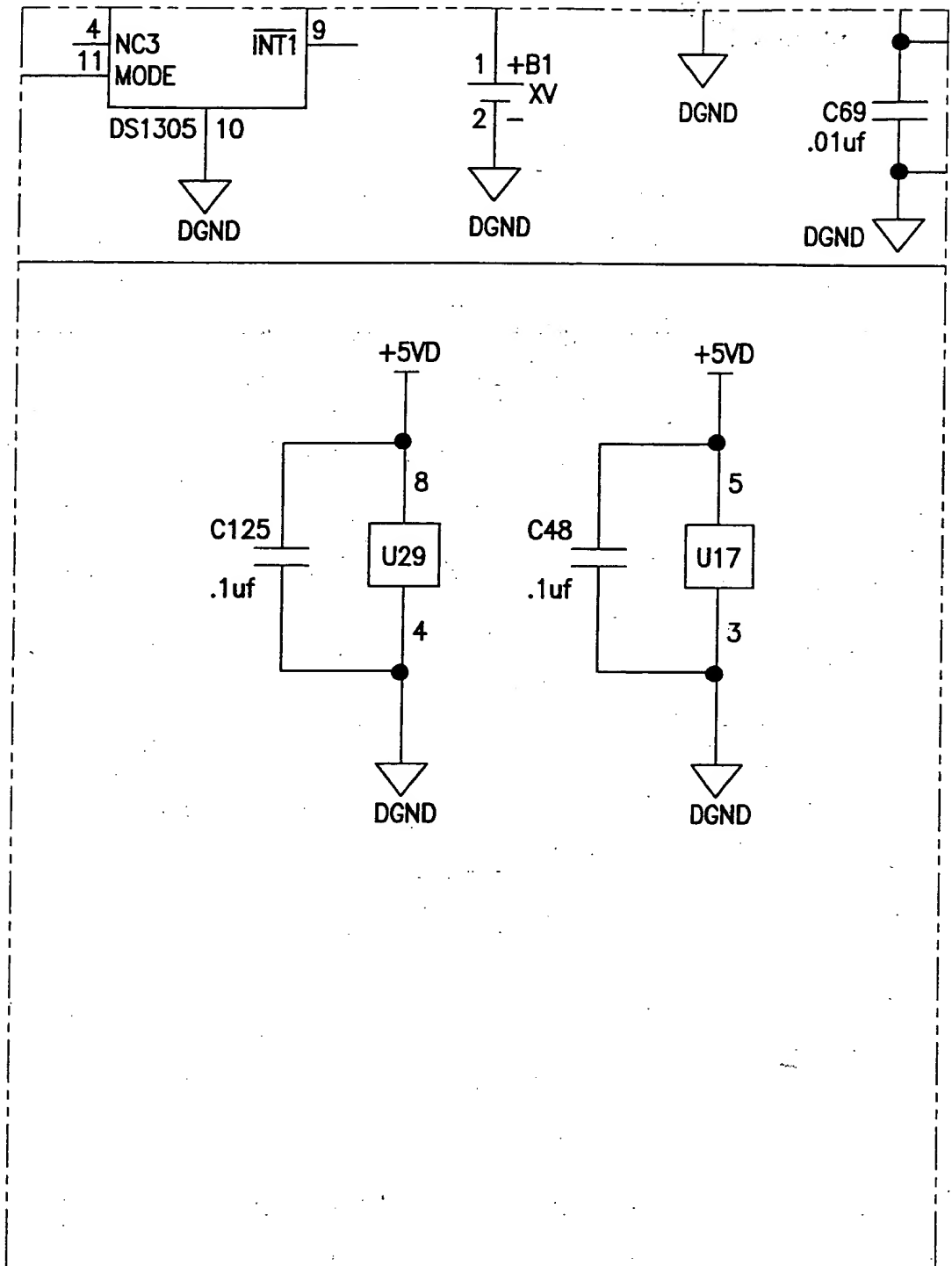
[illegible]

FIG. 64L



000000-01000

FIG. 64N



000330-013000

FIG. 64M

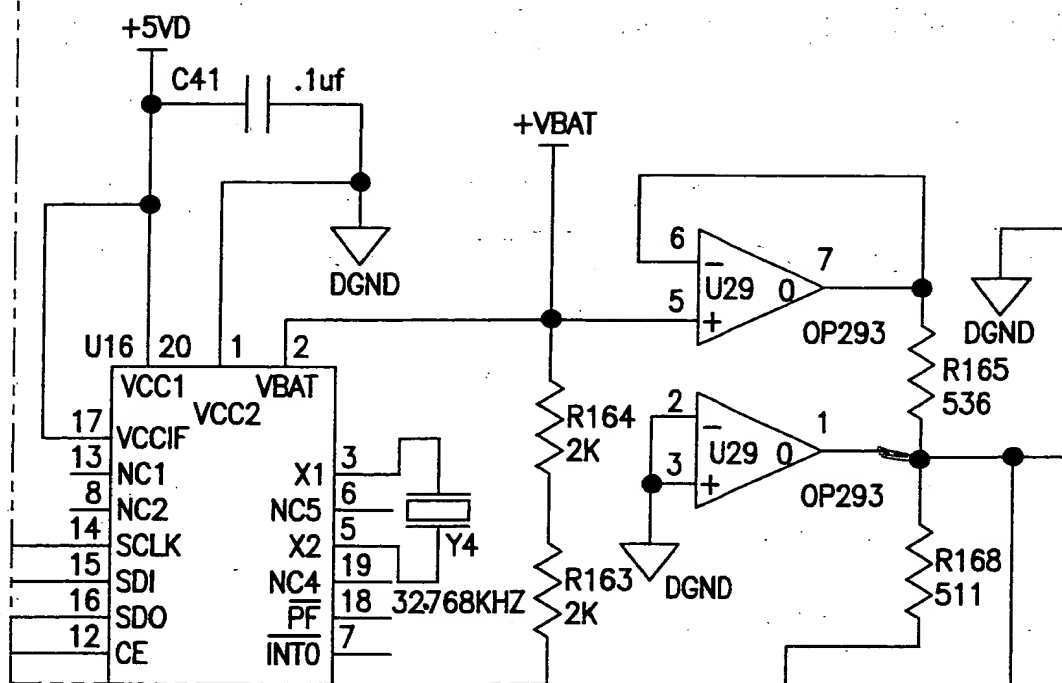
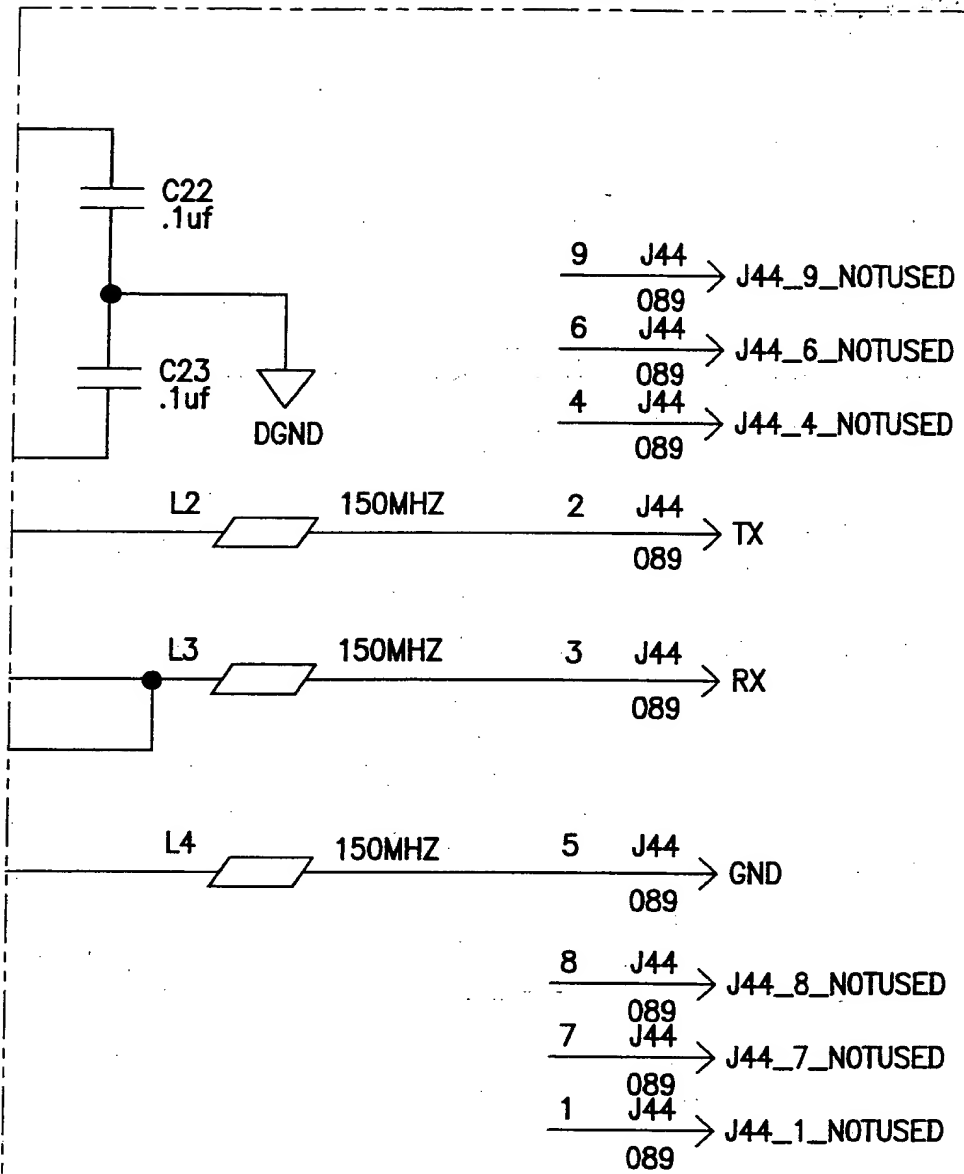
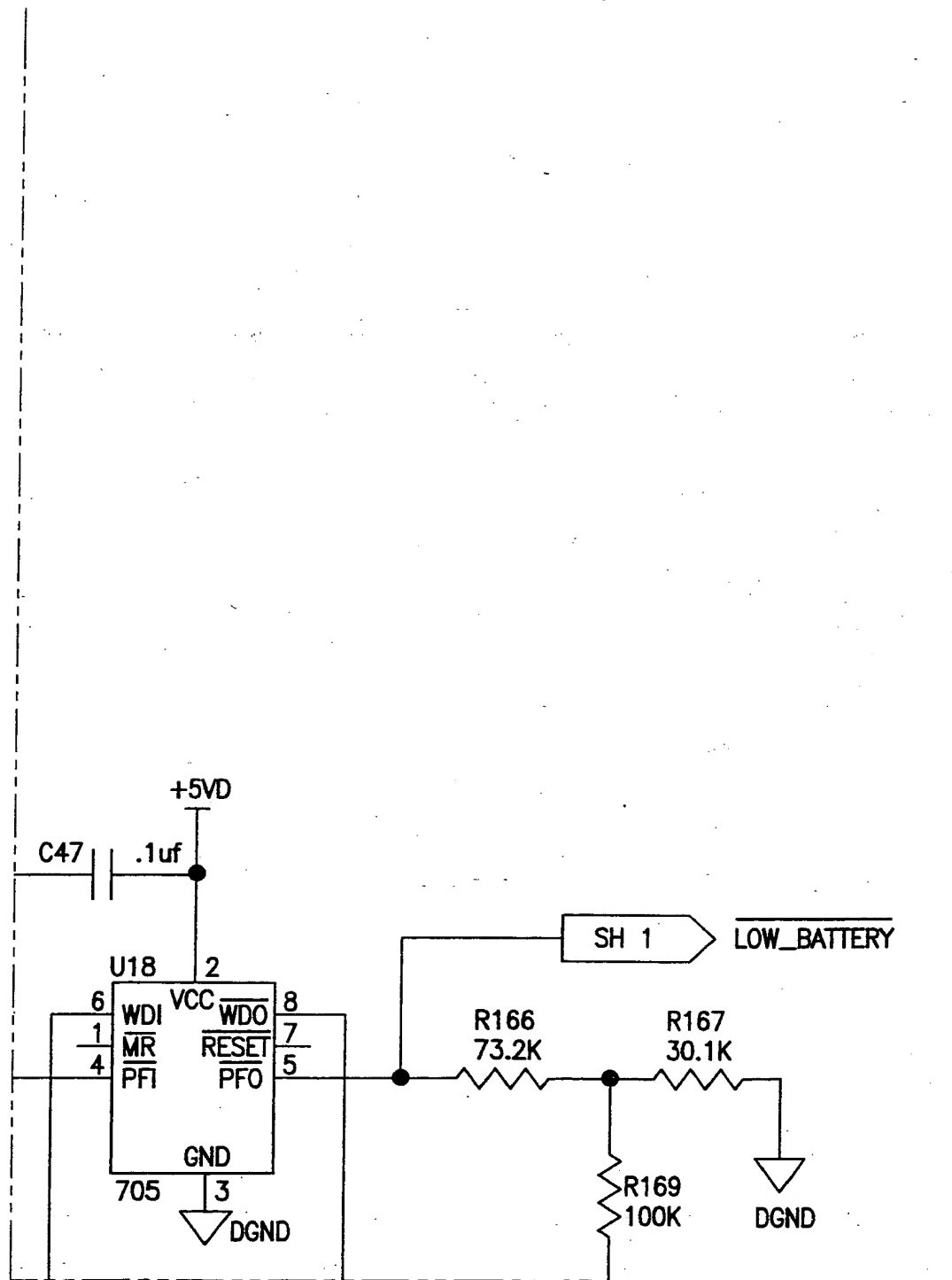


FIG. 640



000000-010000

FIG. 64P



00023500 010002

00000000-01000

FIG. 64Q

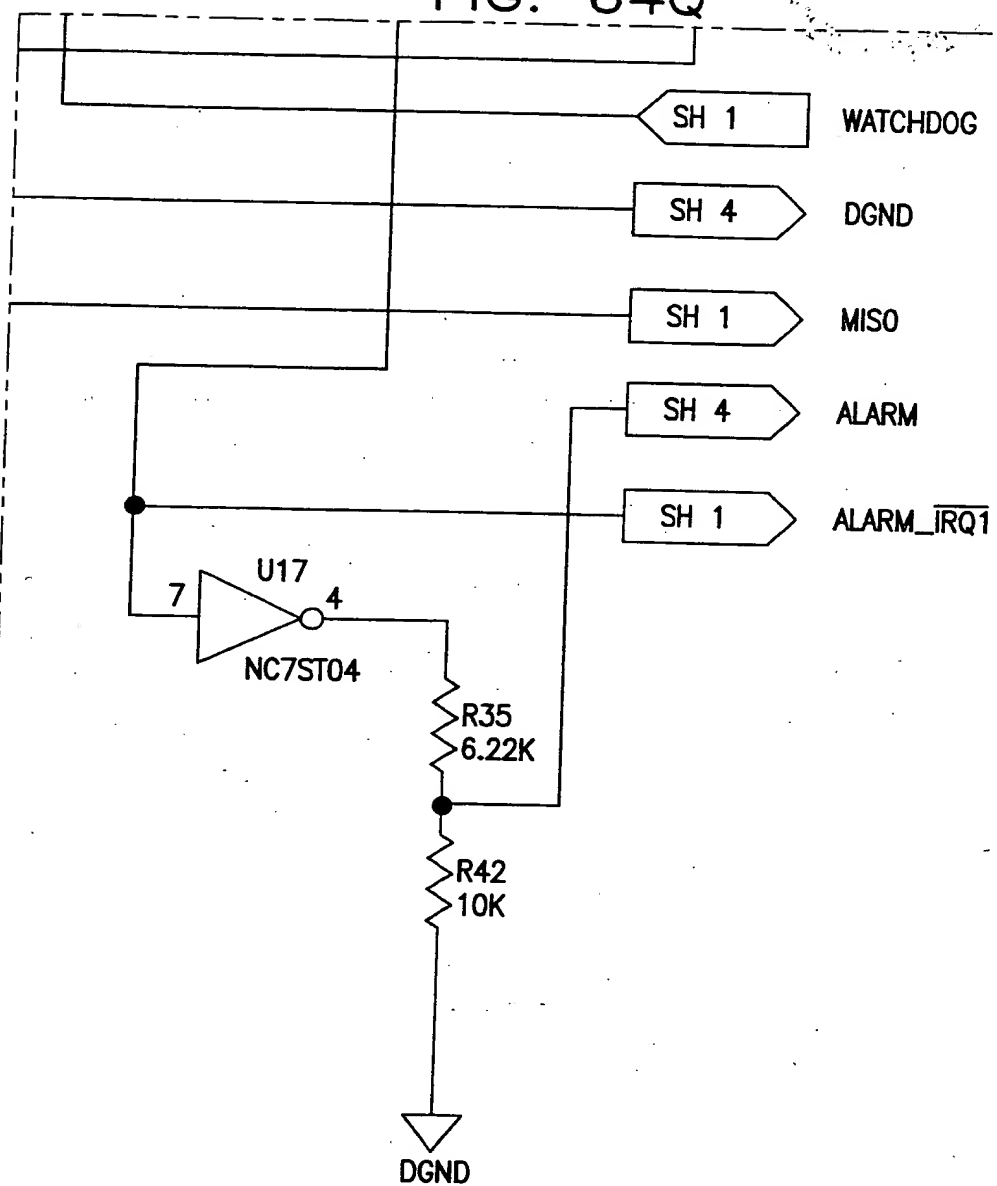


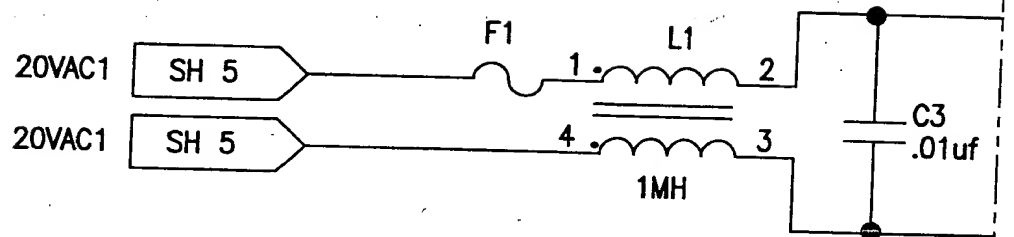
FIG. 65

	FIG. 65C	FIG. 65F	FIG. 65H	FIG. 65J	FIG. 65L
FIG. 65A	FIG. 65D	FIG. 65G	FIG. 65I	FIG. 65K	
FIG. 65B	FIG. 65E				

00022503-012002

FIG. 65A

J40_1_NOT_USED	>	J40 1
J40_2_NOT_USED	>	J40 2
J40_3_NOT_USED	>	J40 3
J40_4_NOT_USED	>	J40 4
J40_5_NOT_USED	>	J40 5
J40_6_NOT_USED	>	J40 6



J40_NOT_USED	>	J40 7
VCC	>	J40 14
AUX_ALARM	>	J40 13

VCC

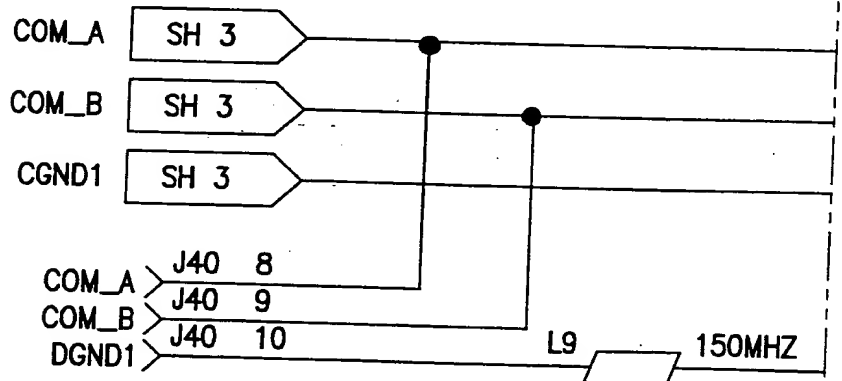
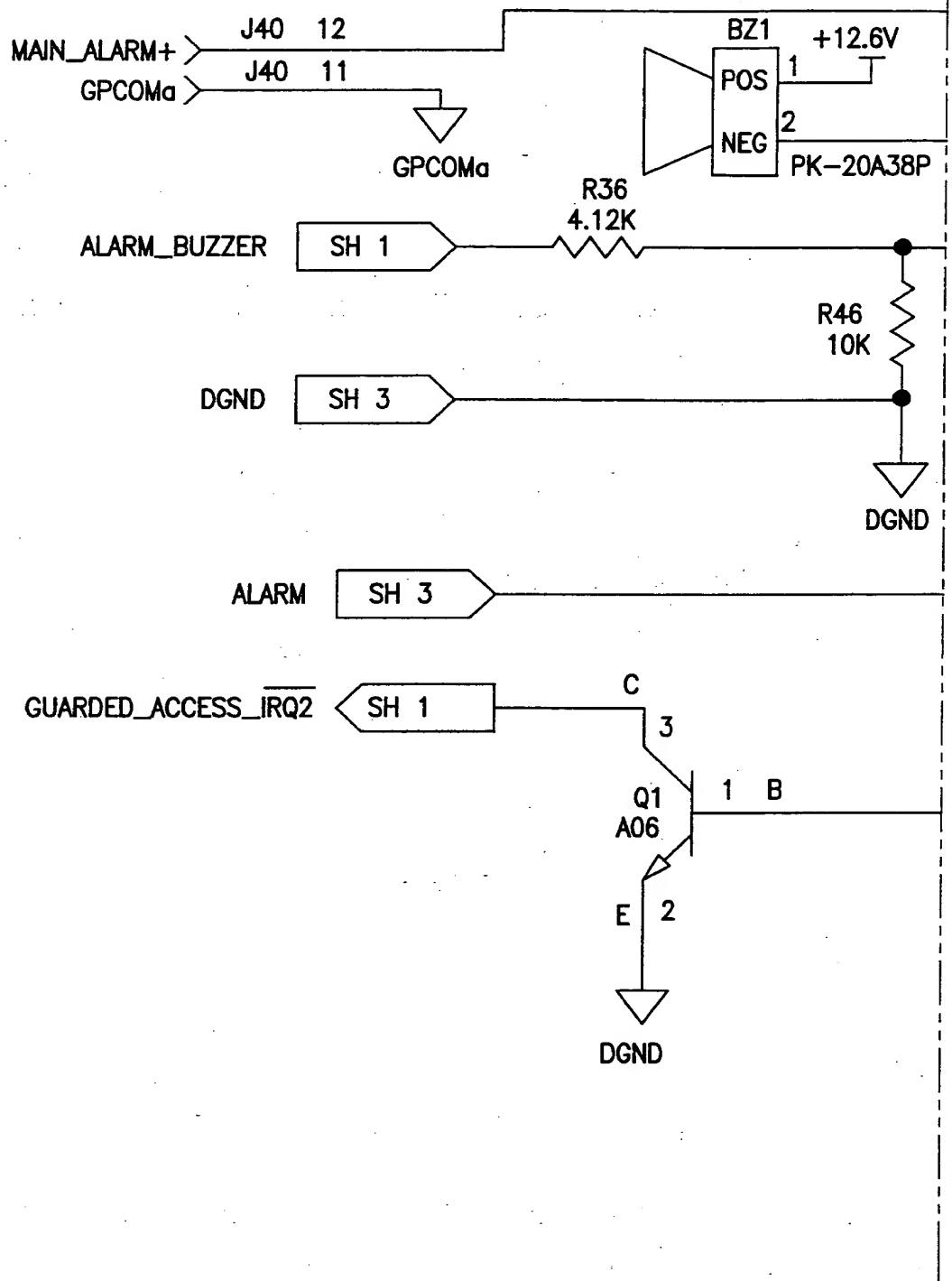


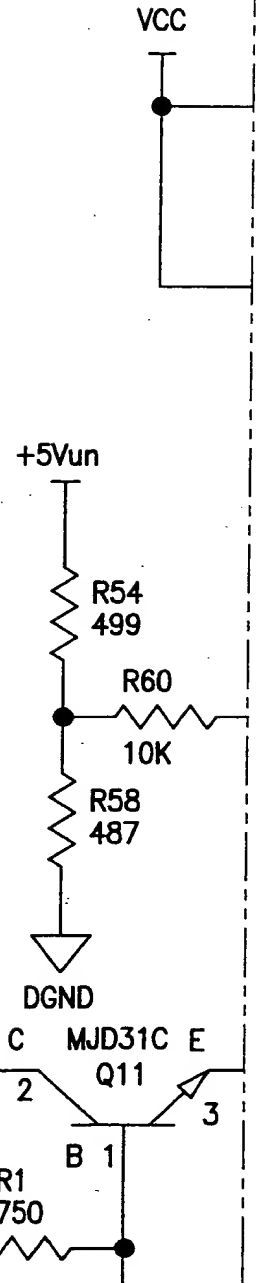
FIG. 65B



202510-20922000

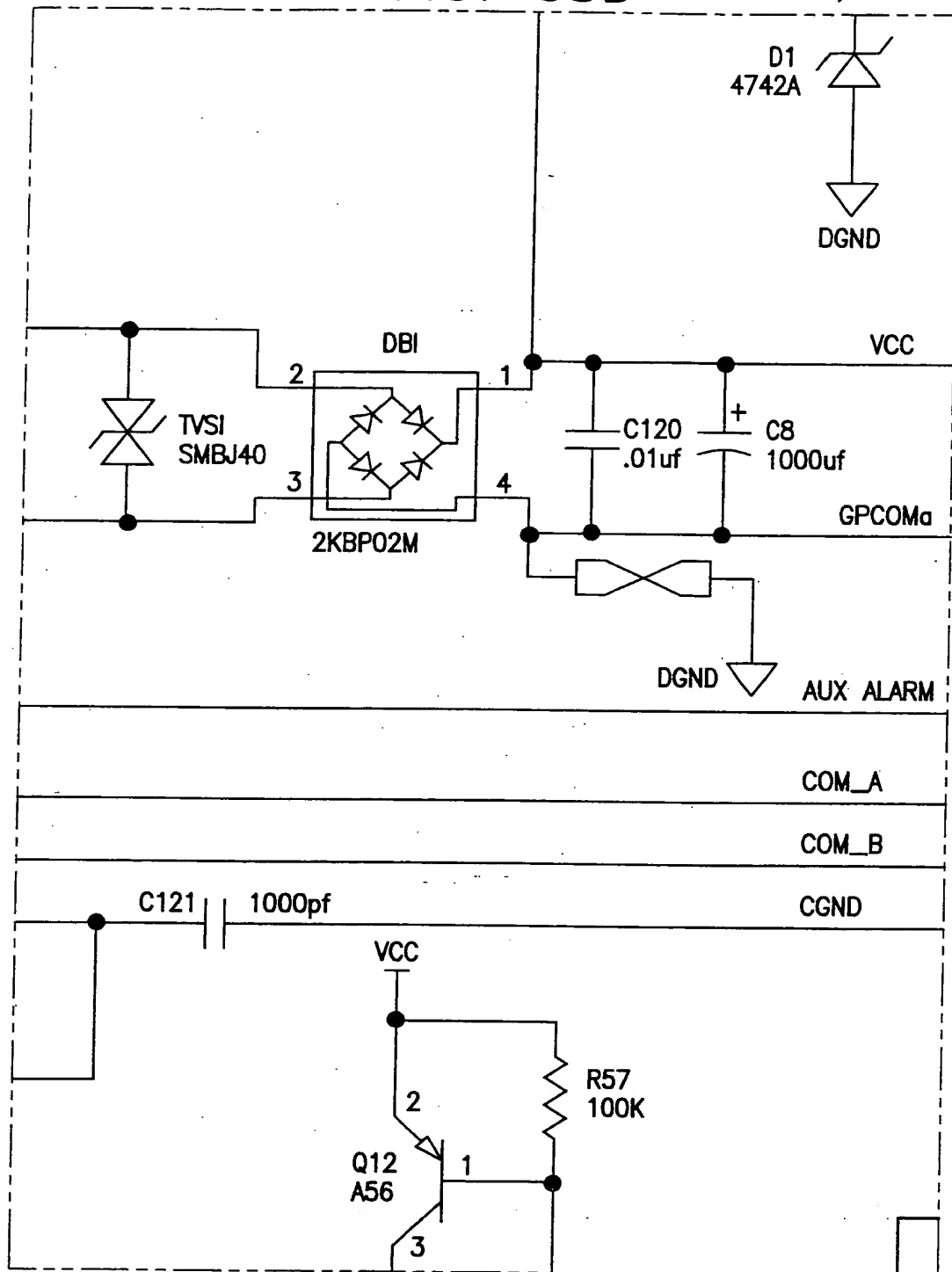
FIG. 65C

XDUCER_1A	J40	15	◇	XDUCER_1A
XDUCER_1B	J40	16	◇	XDUCER_1B
XDUCER_2A	J40	17	◇	XDUCER_2A
XDUCER_2B	J40	18	◇	XDUCER_2B
XDUCER_3A	J40	19	◇	XDUCER_3A
XDUCER_3B	J40	20	◇	XDUCER_3B
XDUCER_4A	J40	21	◇	XDUCER_4A
XDUCER_4B	J40	22	◇	XDUCER_4B
XDUCER_5A	J40	23	◇	XDUCER_5A
XDUCER_5B	J40	24	◇	XDUCER_5B
XDUCER_6A	J40	25	◇	XDUCER_6A
XDUCER_6B	J40	26	◇	XDUCER_6B



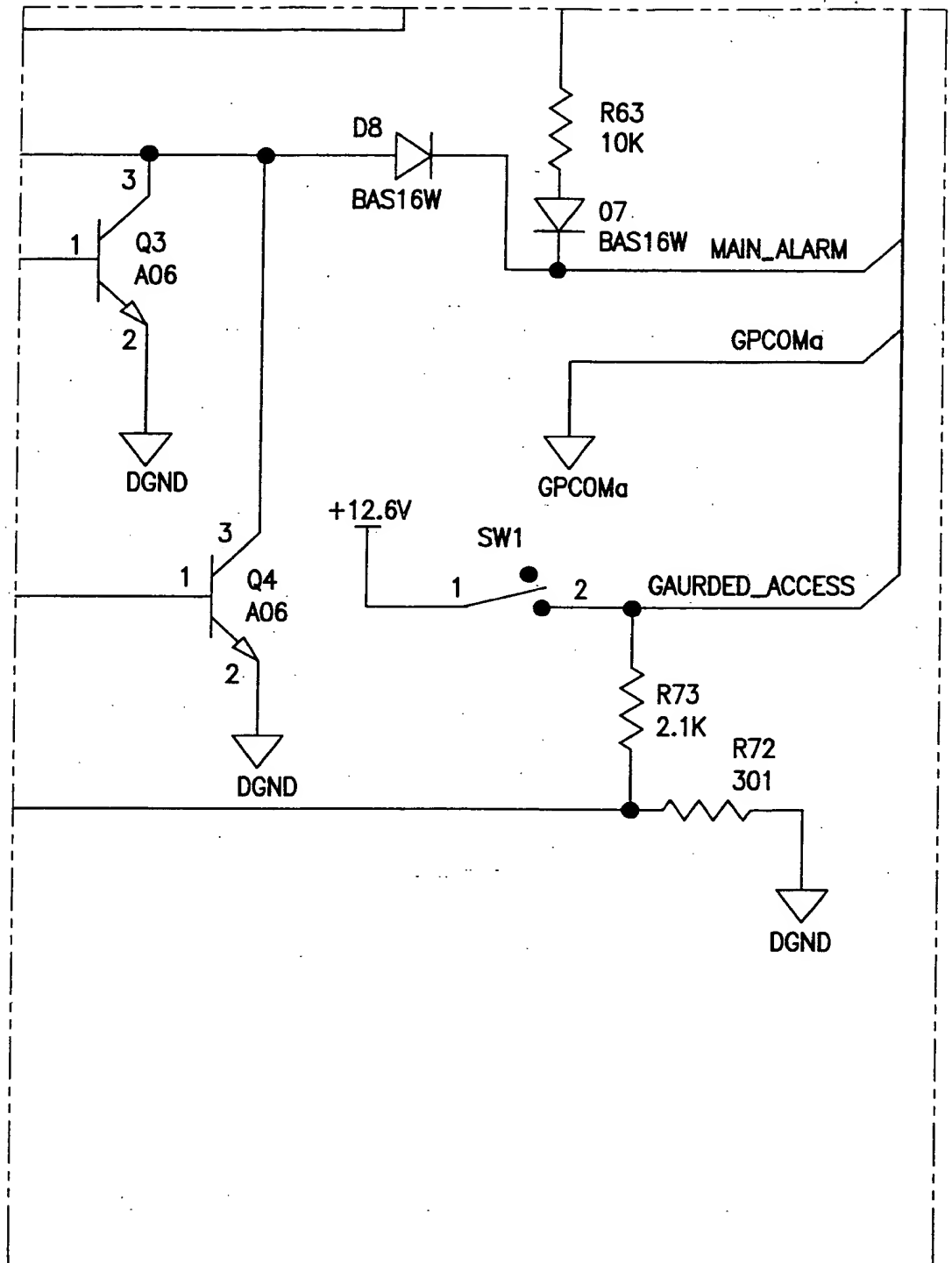
[illegible]

FIG. 65D



200210-2052E060

FIG. 65E



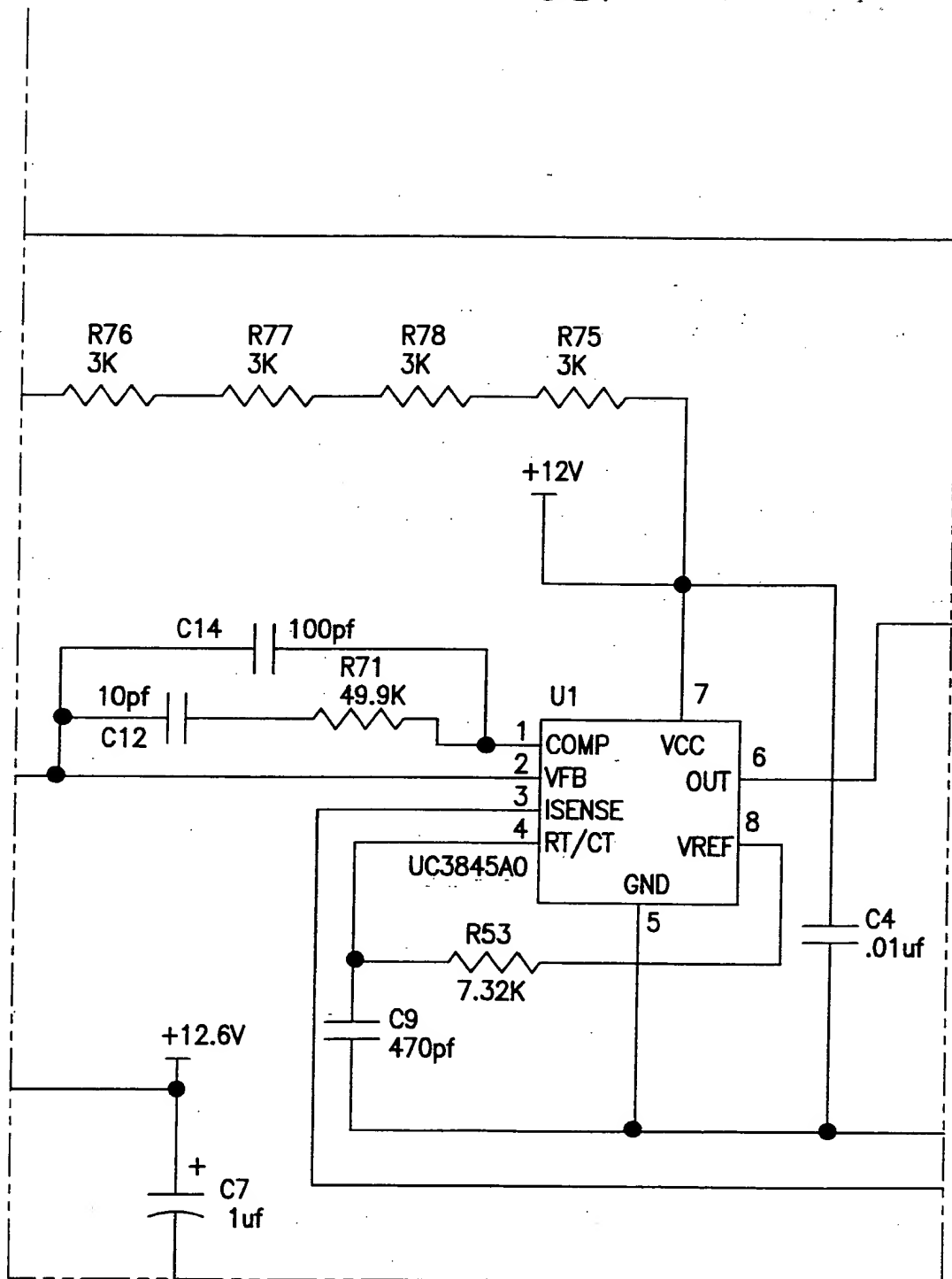
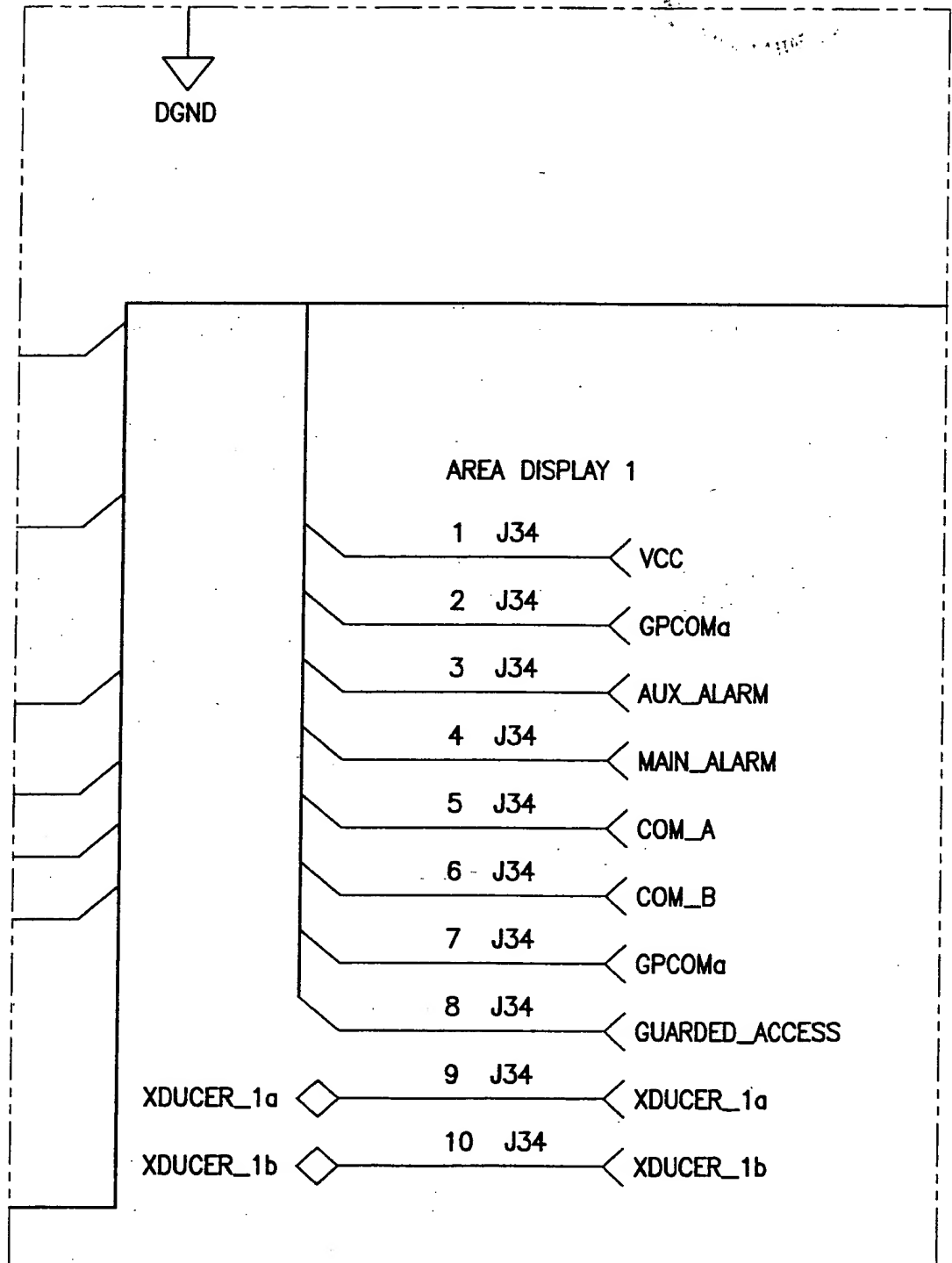
[illegible]

FIG. 65G



2025-02-20 10:00:00

FIG. 65H

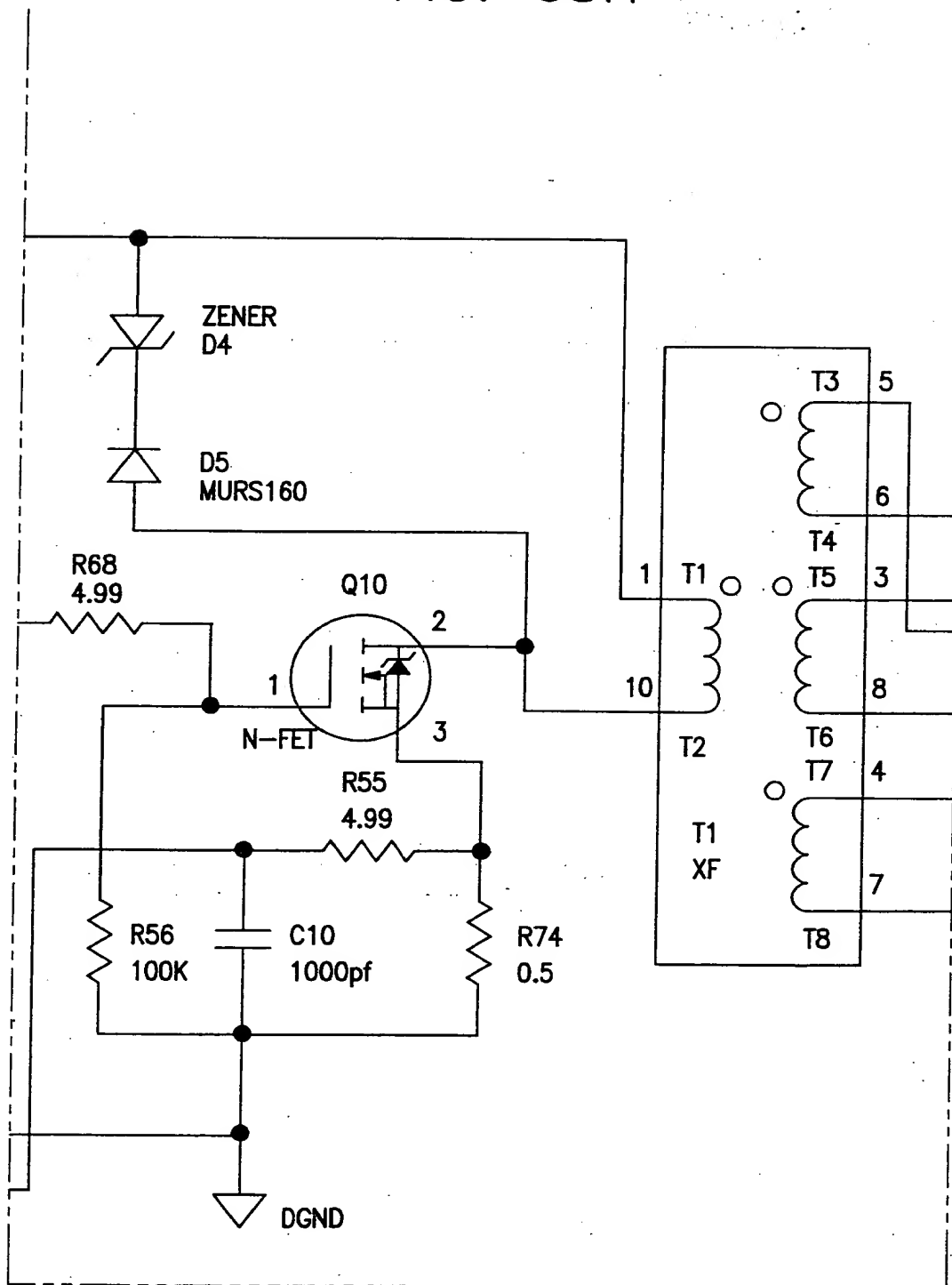
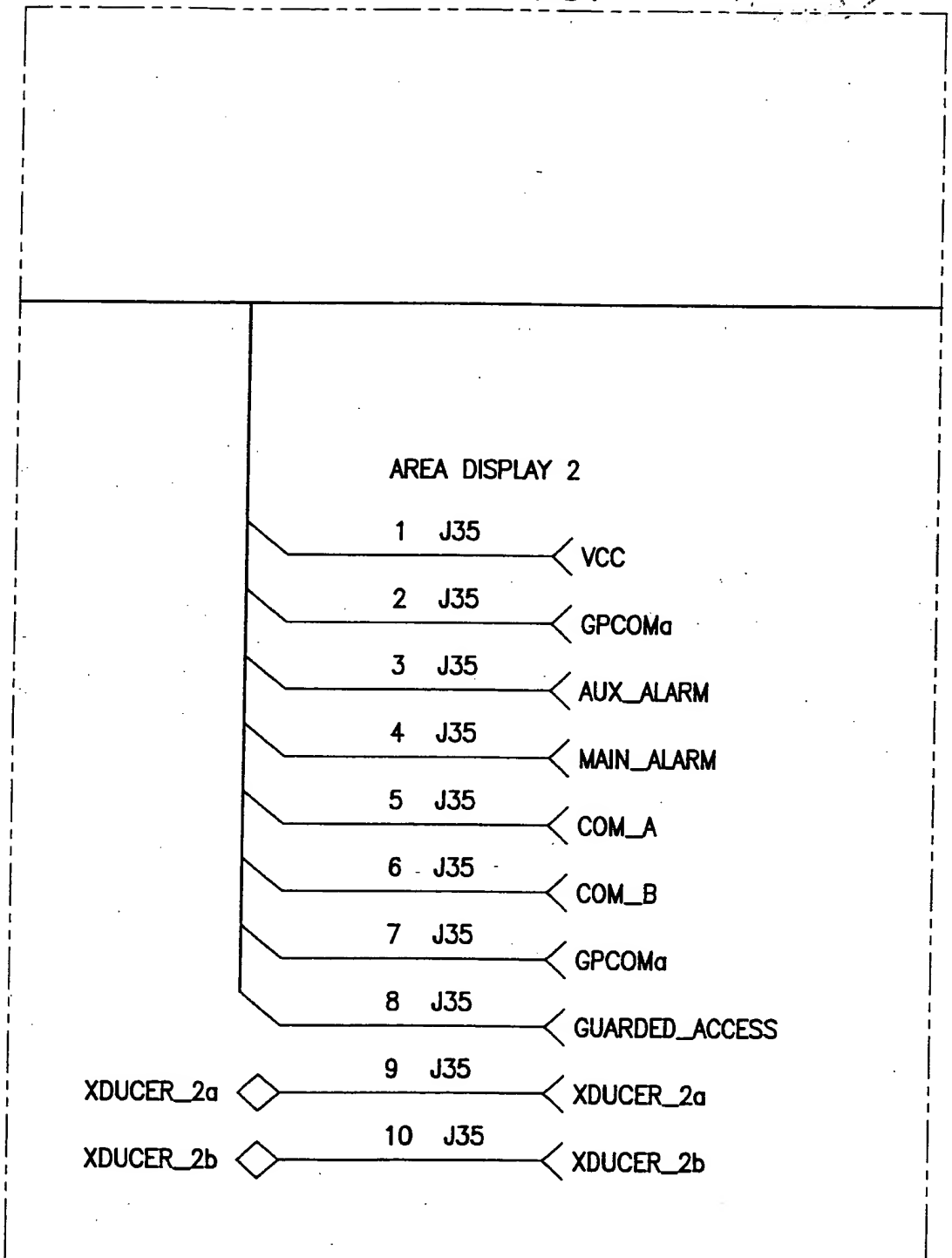


FIG. 65I



AREA DISPLAY 2

1 J35

VCC

2 J35

GPCOMa

3 J35

AUX_ALARM

4 J35

MAIN_ALARM

5 J35

COM_A

6 J35

COM_B

7 J35

GPCOMa

8 J35

GUARDED_ACCESS

XDUCER_2a

9 J35

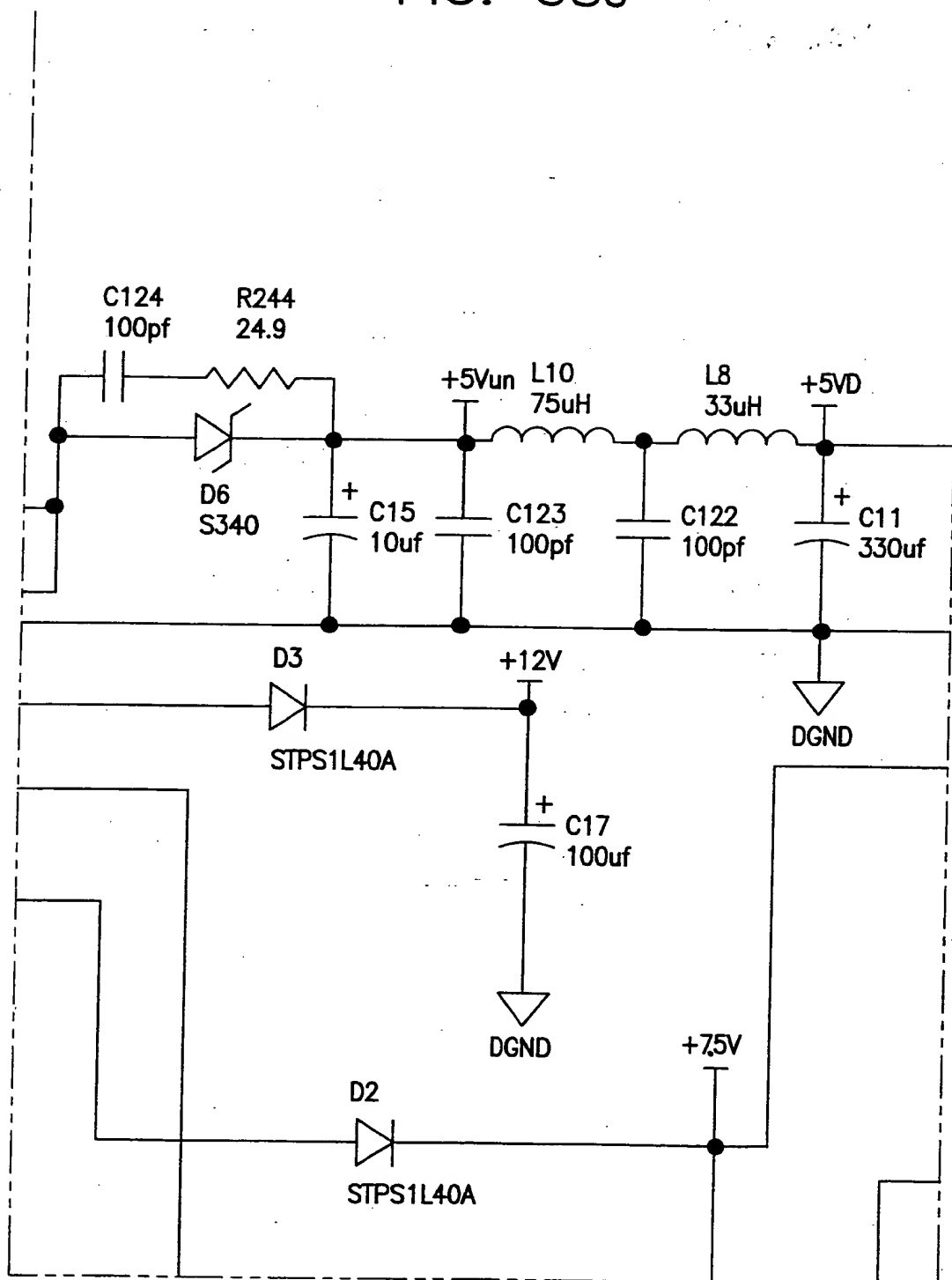
XDUCER_2a

XDUCER_2b

10 J35

XDUCER_2b

Category	Percentage
The company	30%
The industry	20%
The economy	10%
The government	10%
The customer	30%



1013

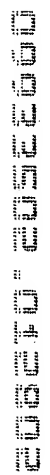
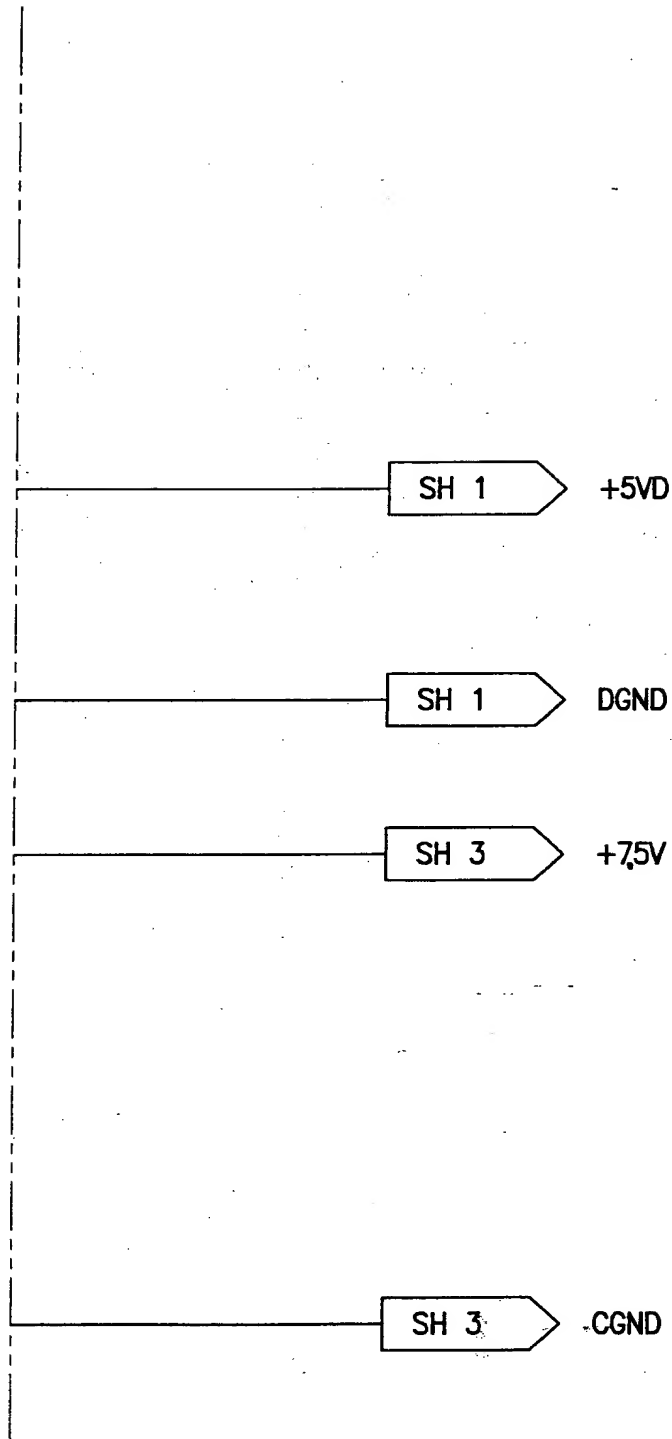


FIG. 65L



000000-010000

	FIG. 66E	FIG. 66J	FIG. 66O	FIG. 66S	FIG. 66W
FIG. 66A	FIG. 66F	FIG. 66K	FIG. 66P	FIG. 66T	FIG. 66X
FIG. 66B	FIG. 66G	FIG. 66L	FIG. 66Q	FIG. 66U	
FIG. 66C	FIG. 66H	FIG. 66M	FIG. 66R	FIG. 66V	
FIG. 66D	FIG. 66I	FIG. 66N			

LOCAL ALARM 11	J32	9
LOCAL ALARM 12	J32	10
LOCAL ALARM 13	J32	11
LOCAL ALARM 14	J32	12

LOCAL ALARM 15	J32	13
LOCAL ALARM 16	J32	14
LOCAL ALARM 17	J32	15
LOCAL ALARM 18	J32	16

FIG. 66B

LOCAL ALARM 19	J32 17
LOCAL ALARM 20	J32 18
LOCAL ALARM 30	J32 19
LOCAL ALARM 29	J32 20

LOCAL ALARM 28	J32 21
LOCAL ALARM 27	J32 22
LOCAL ALARM 26	J32 23
LOCAL ALARM 25	J32 24

LOCAL ALARM 24	J32 25
LOCAL ALARM 23	J32 26
LOCAL ALARM 22	J33 1
LOCAL ALARM 21	J33 2

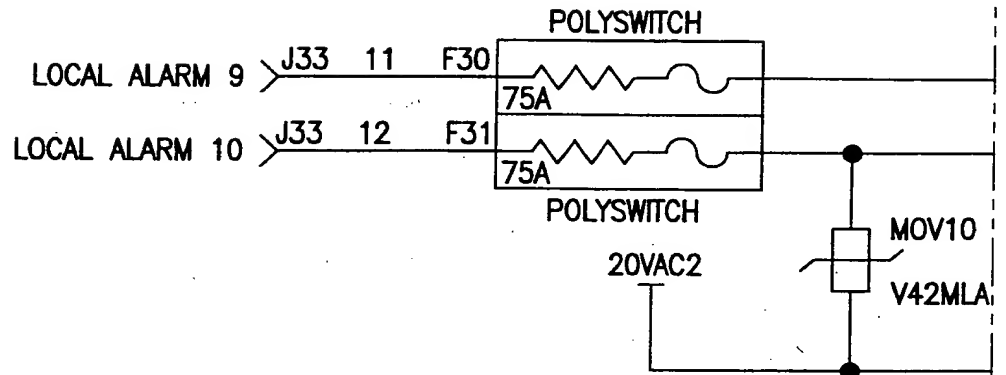
FIG. 66C

LOCAL ALARM 1	J33 3
LOCAL ALARM 2	J33 4
LOCAL ALARM 3	J33 5
LOCAL ALARM 4	J33 6

LOCAL ALARM 5	J33 7
LOCAL ALARM 6	J33 8
LOCAL ALARM 7	J33 9
LOCAL ALARM 8	J33 10

2025-01-01 10:00:00

FIG. 66D



205250-205250

FIG. 66E

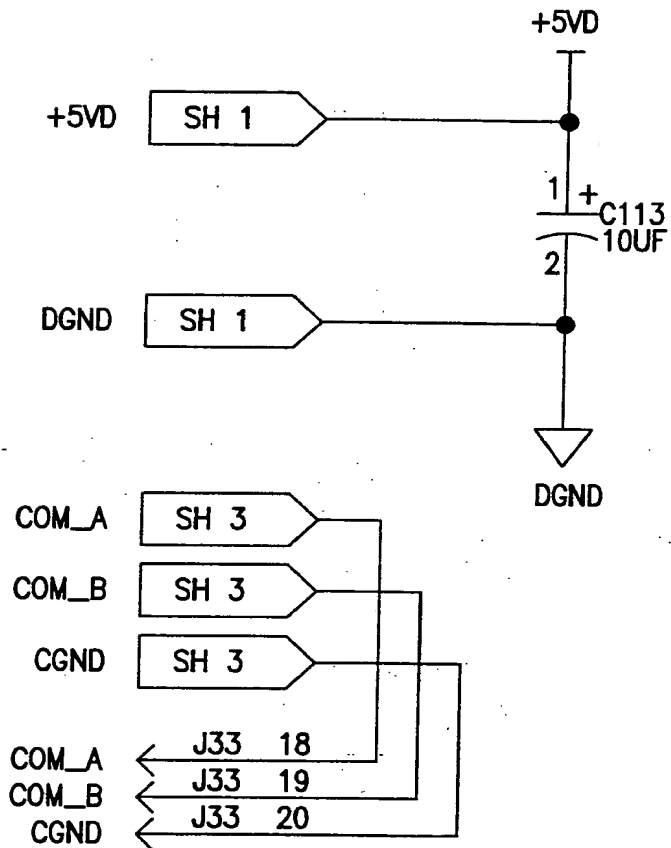


FIG. 66F

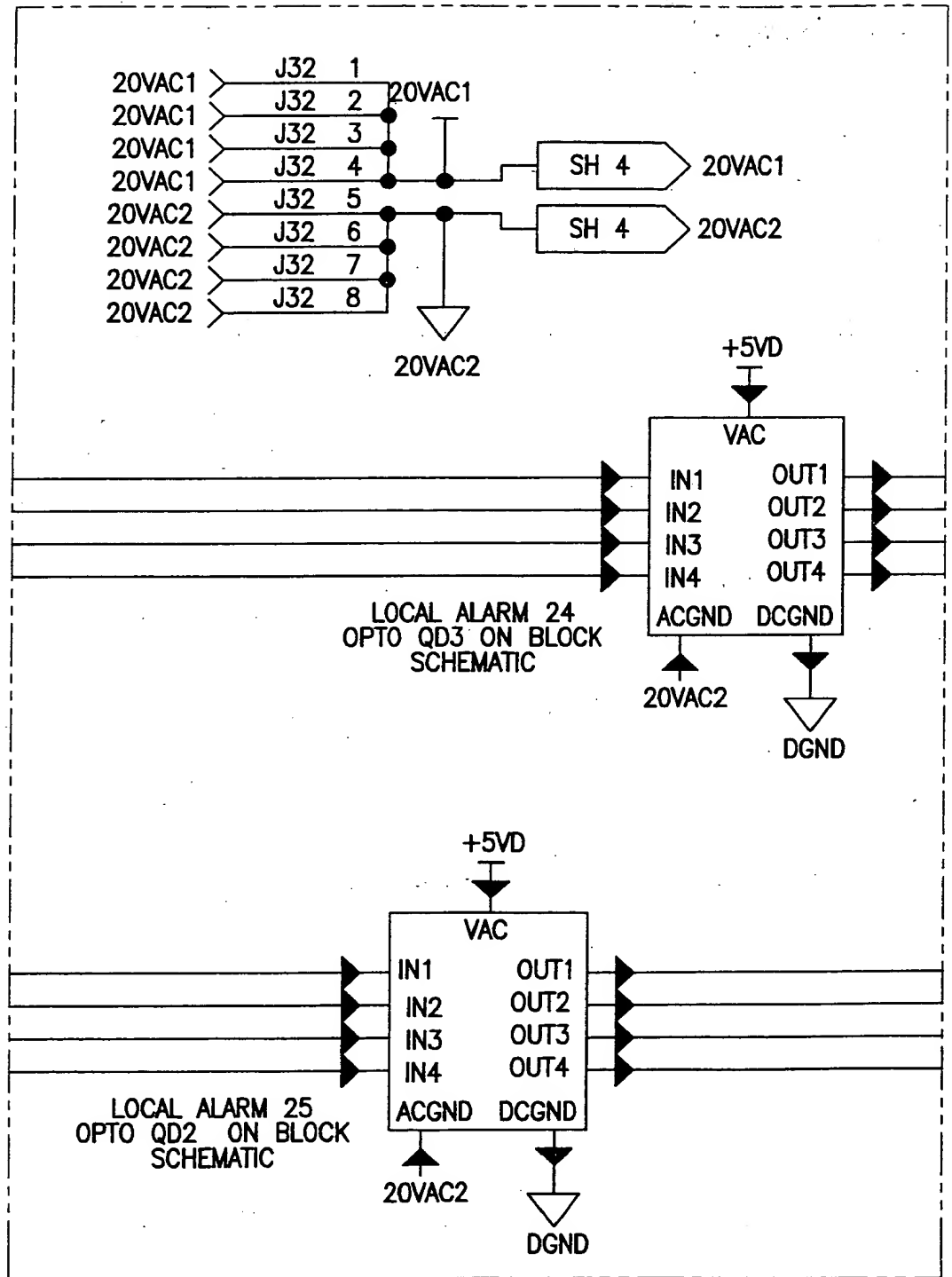
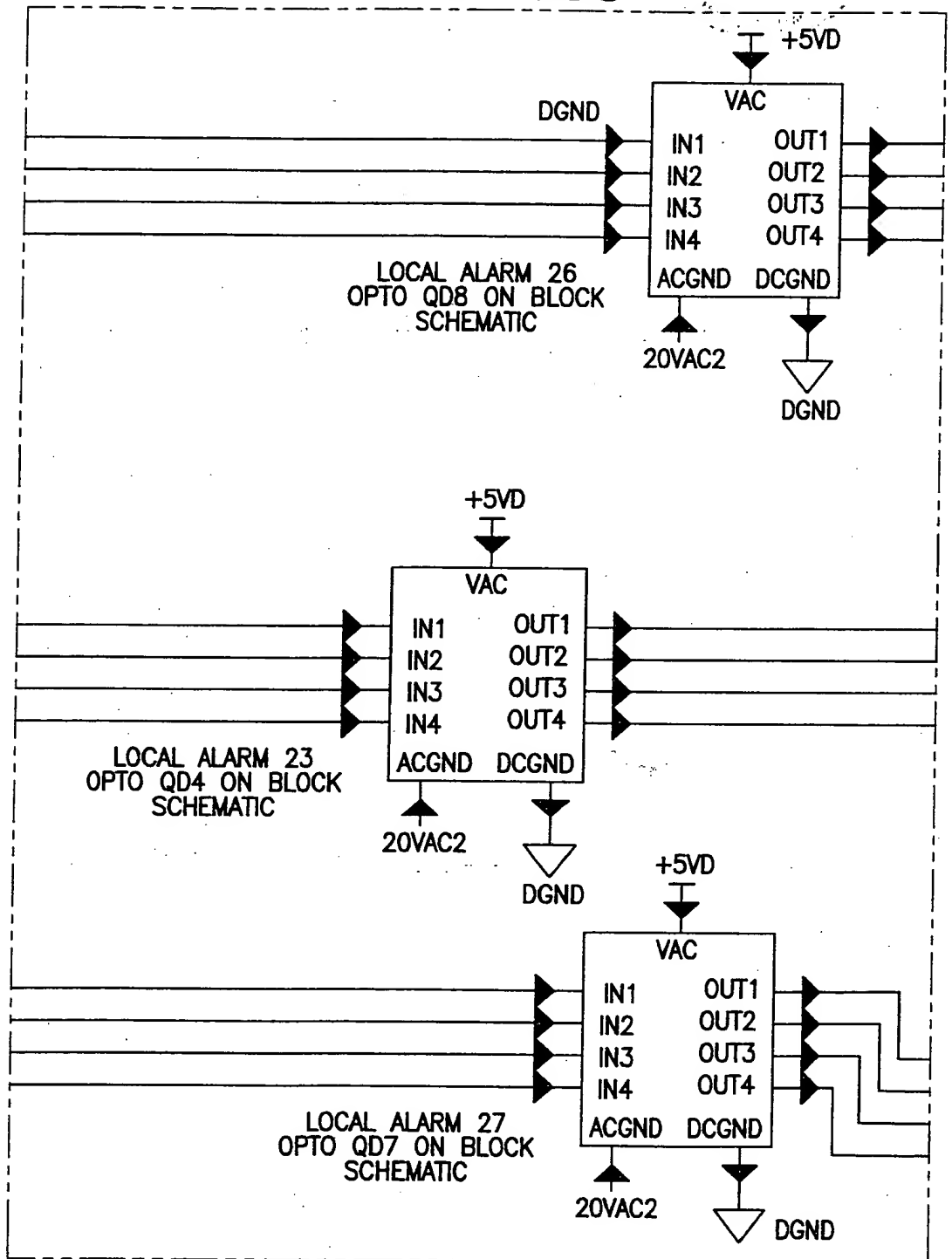
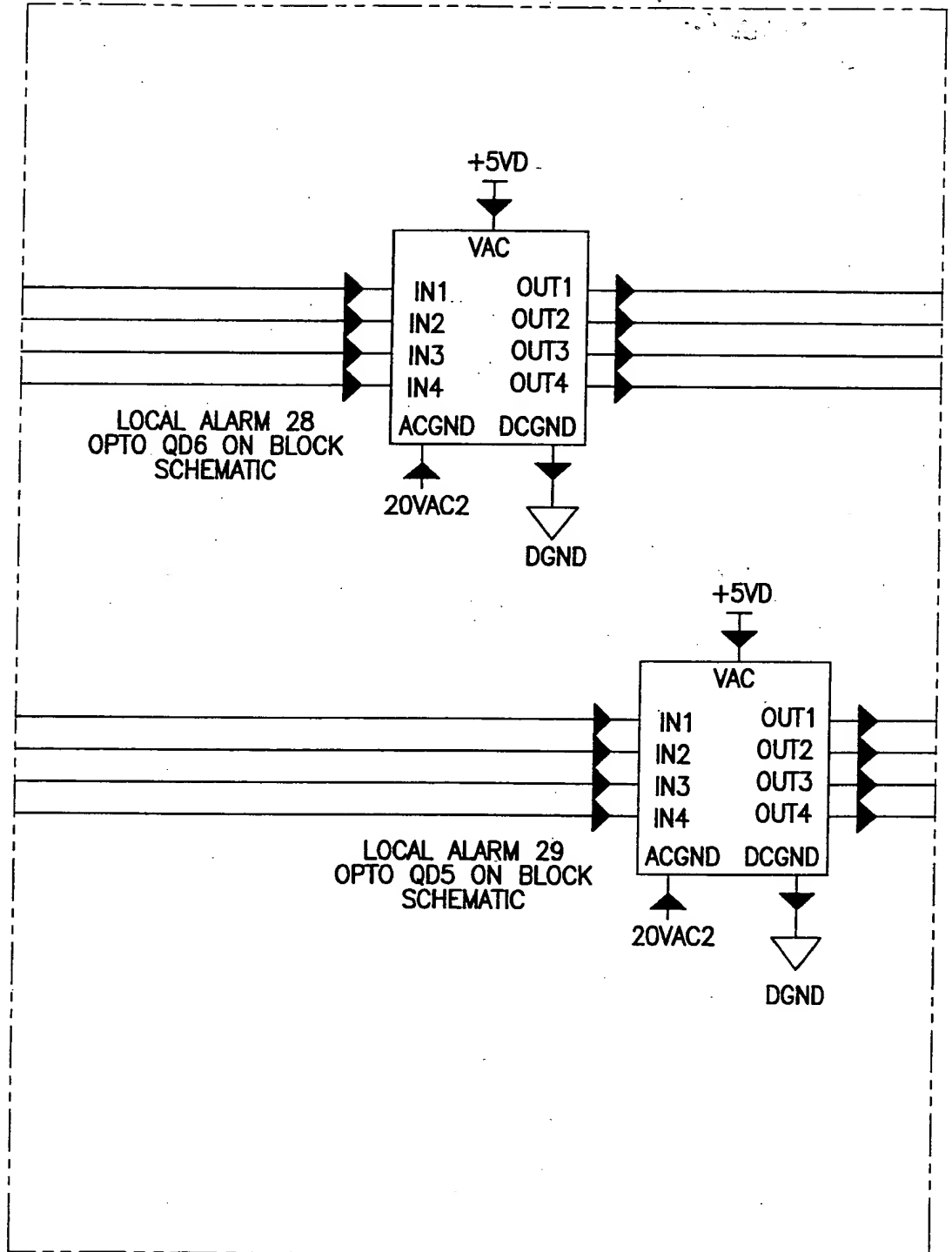


FIG. 66G



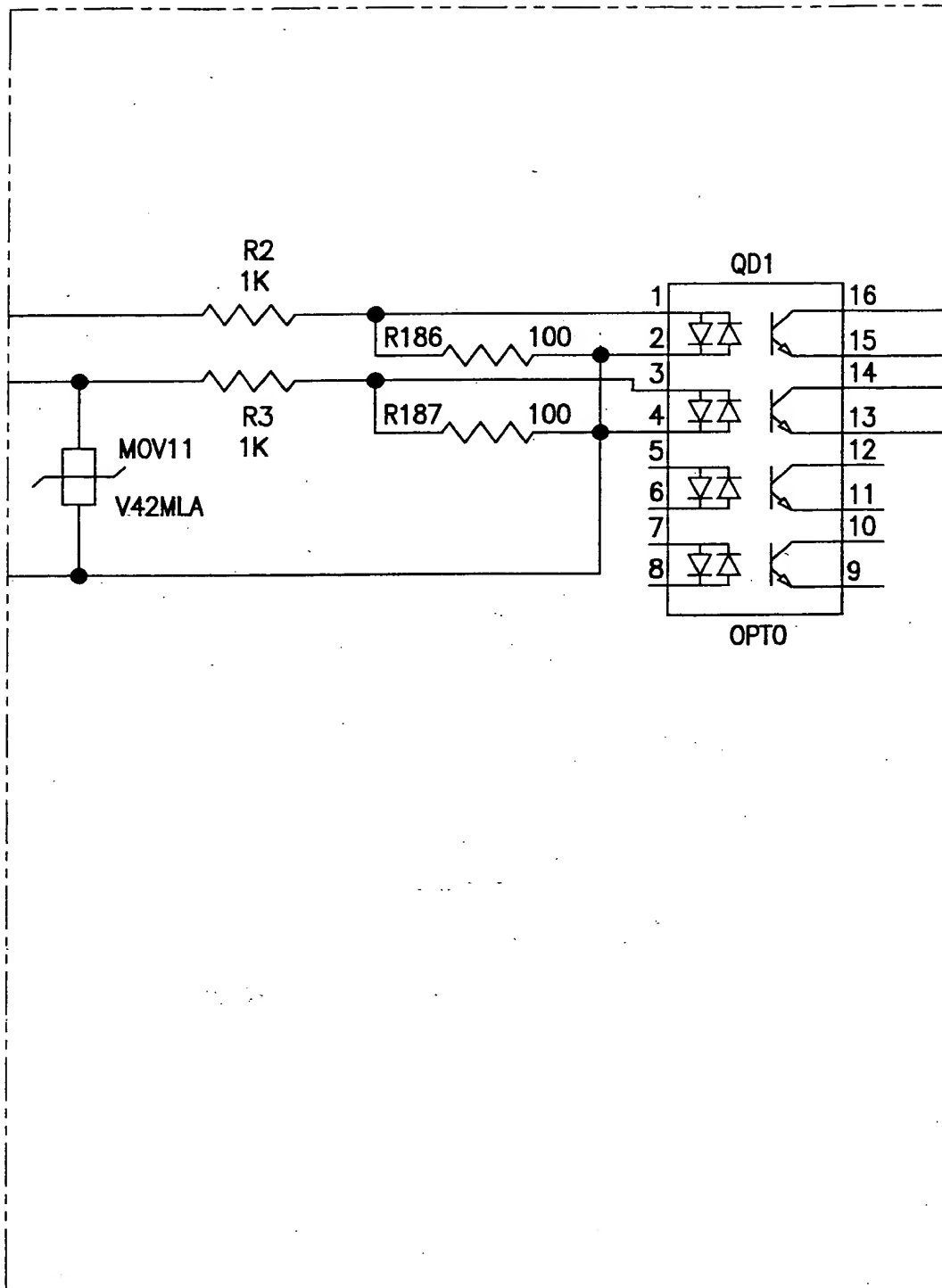
00000000-010000

FIG. 66H



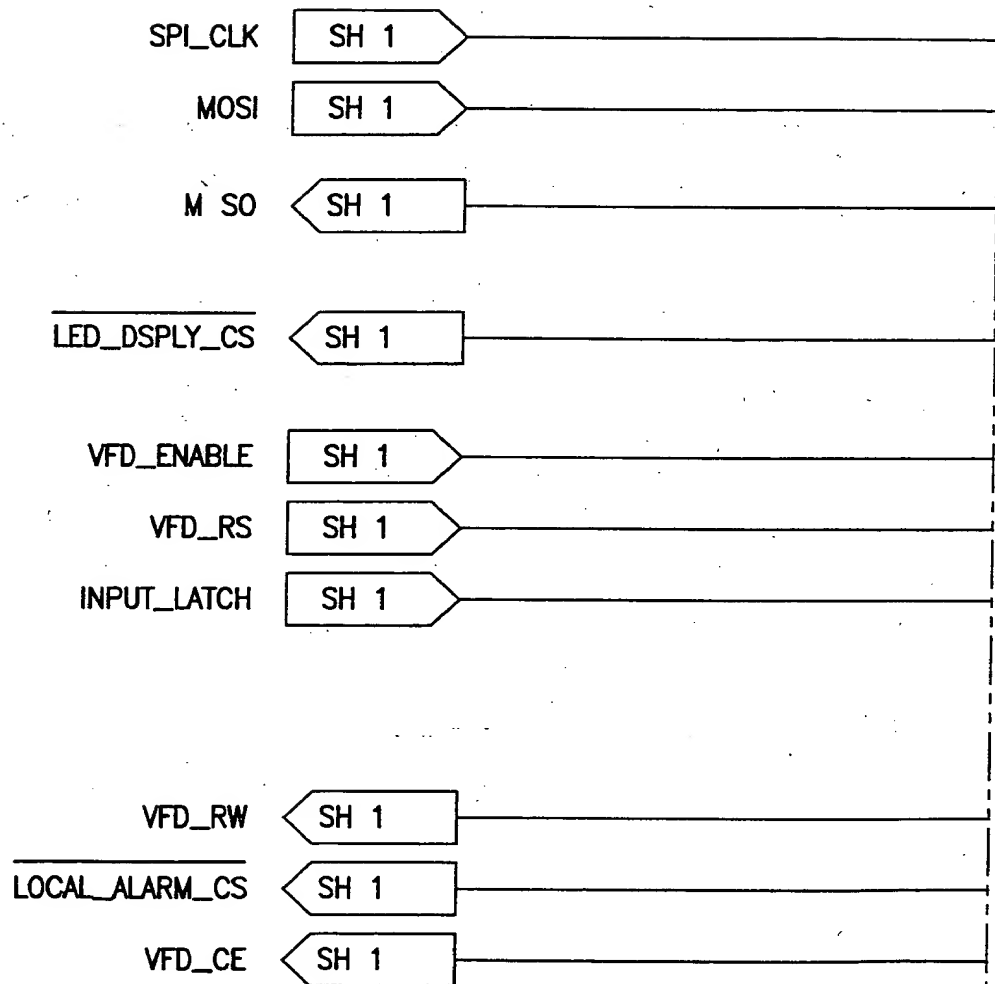
20522600

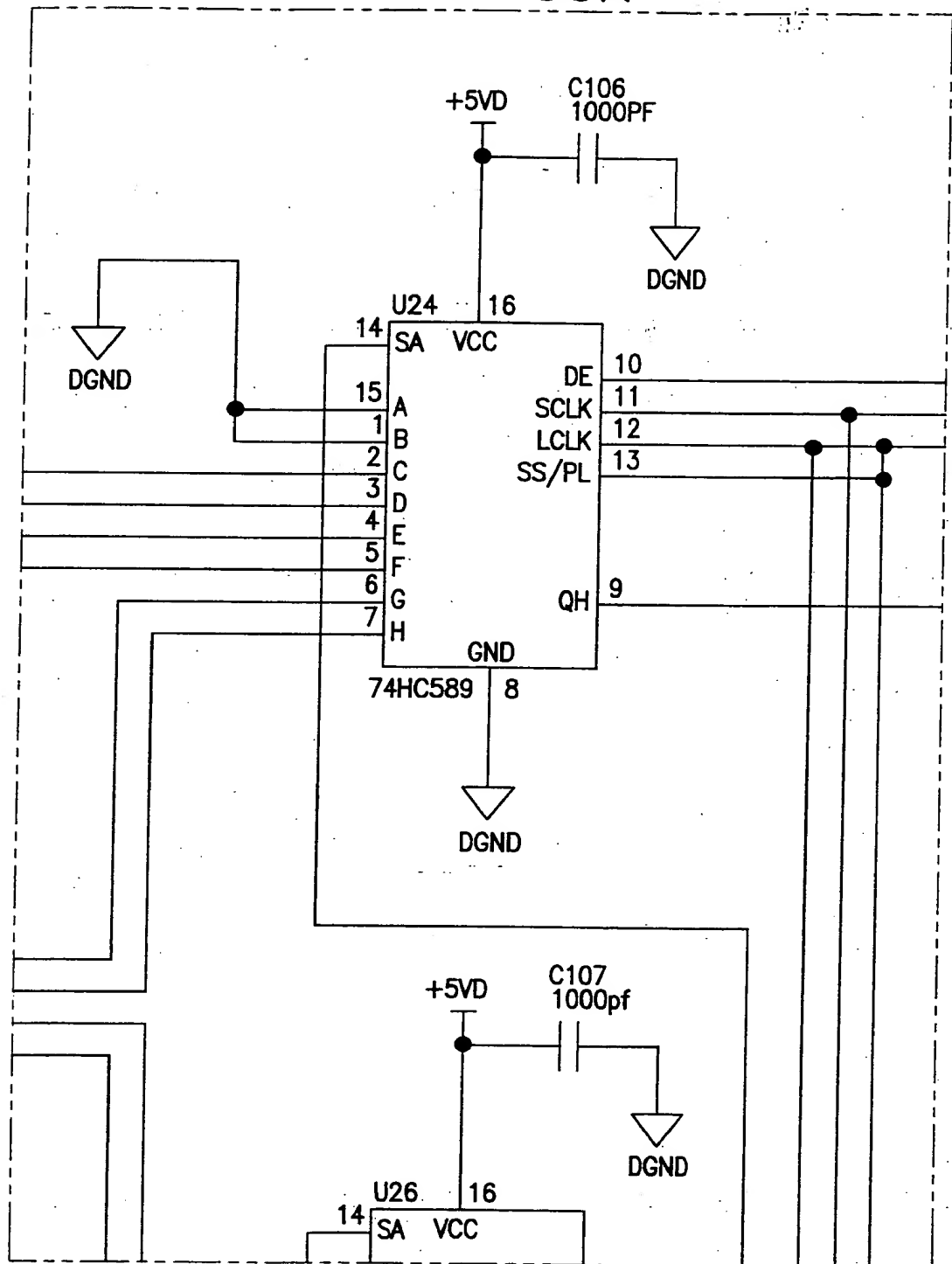
FIG. 66I



2022-2023-2024

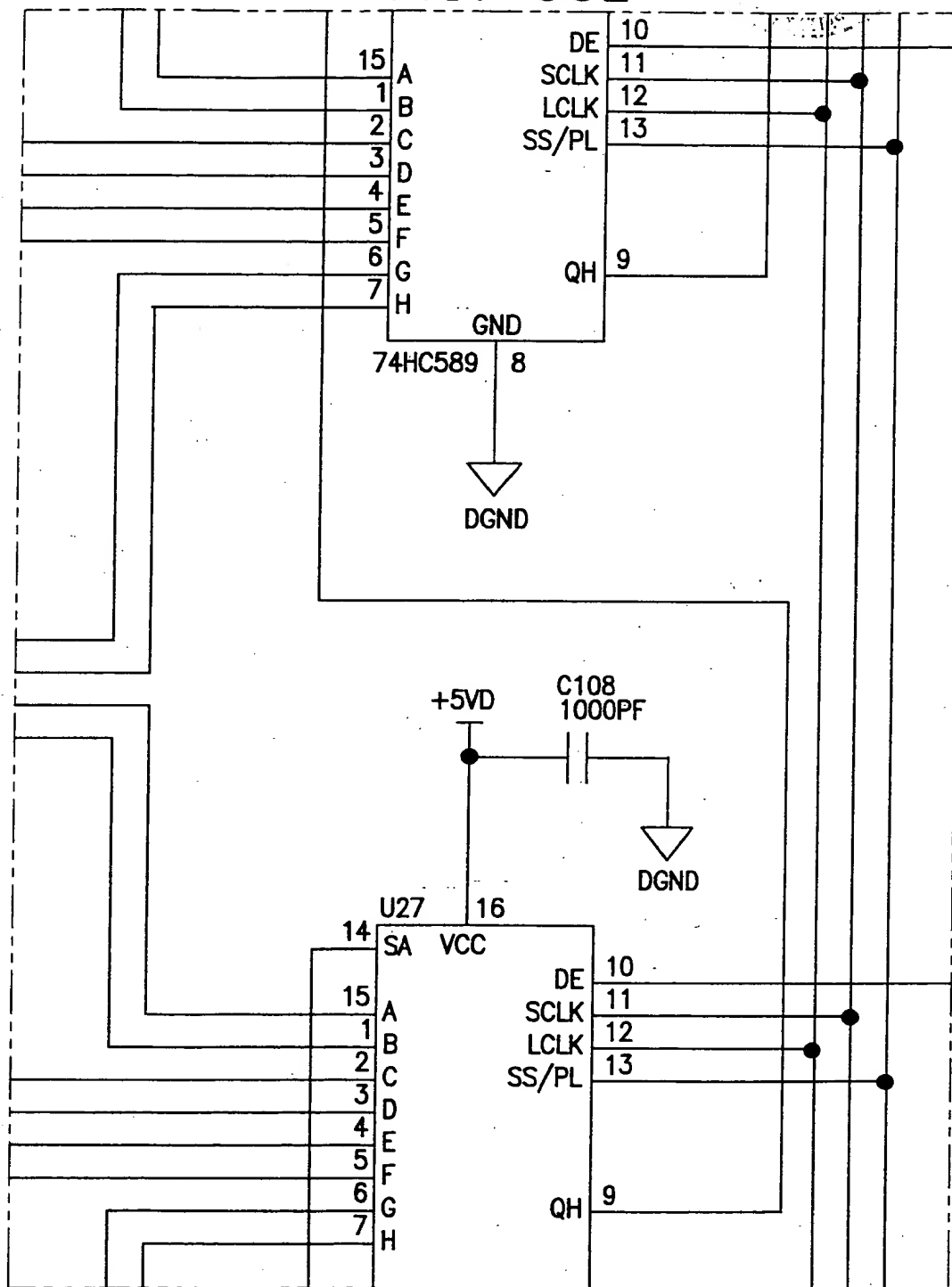
FIG. 66J



[illegible]

00023503 013002

FIG. 66L



2052E660

FIG. 66M

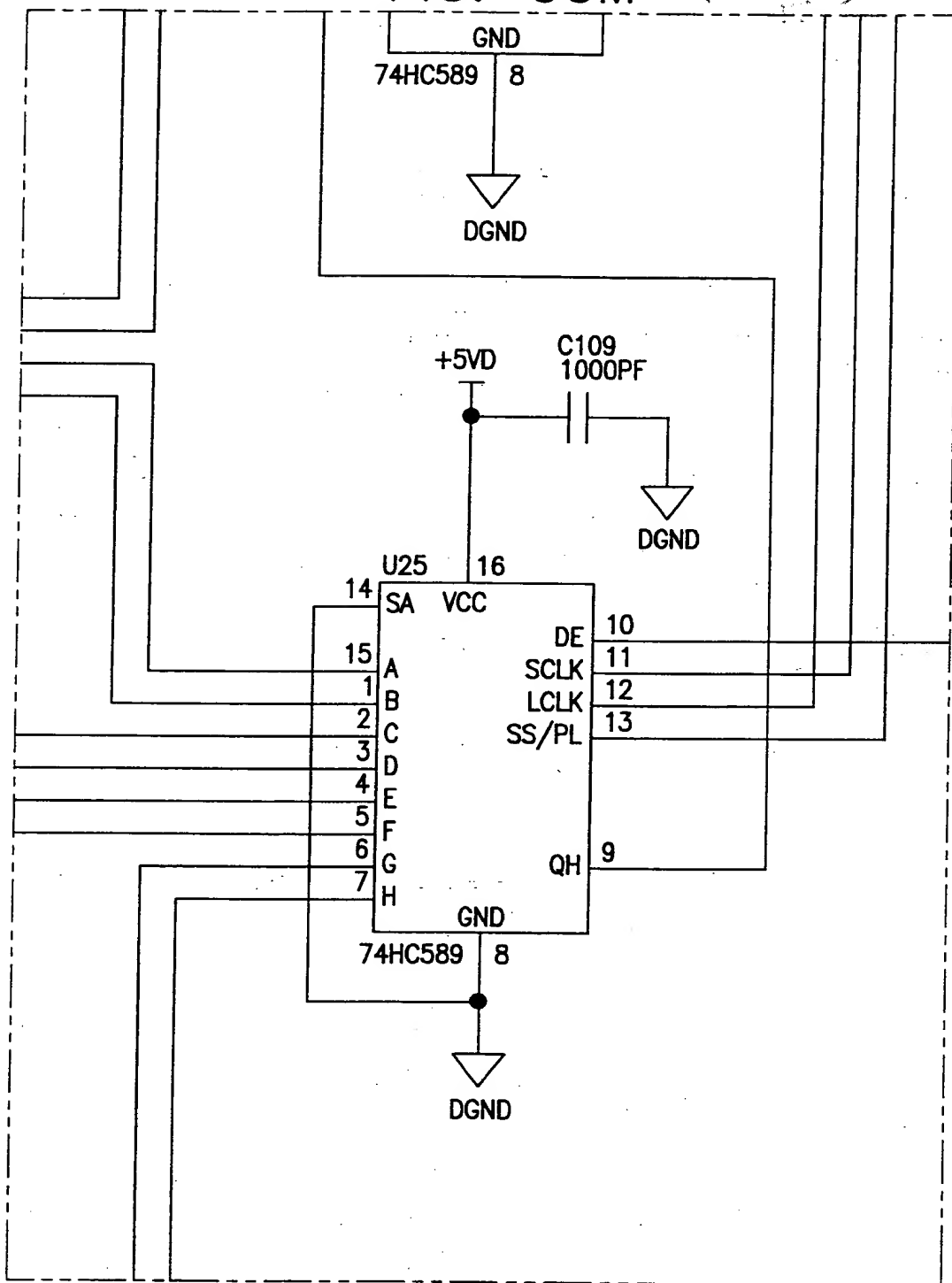
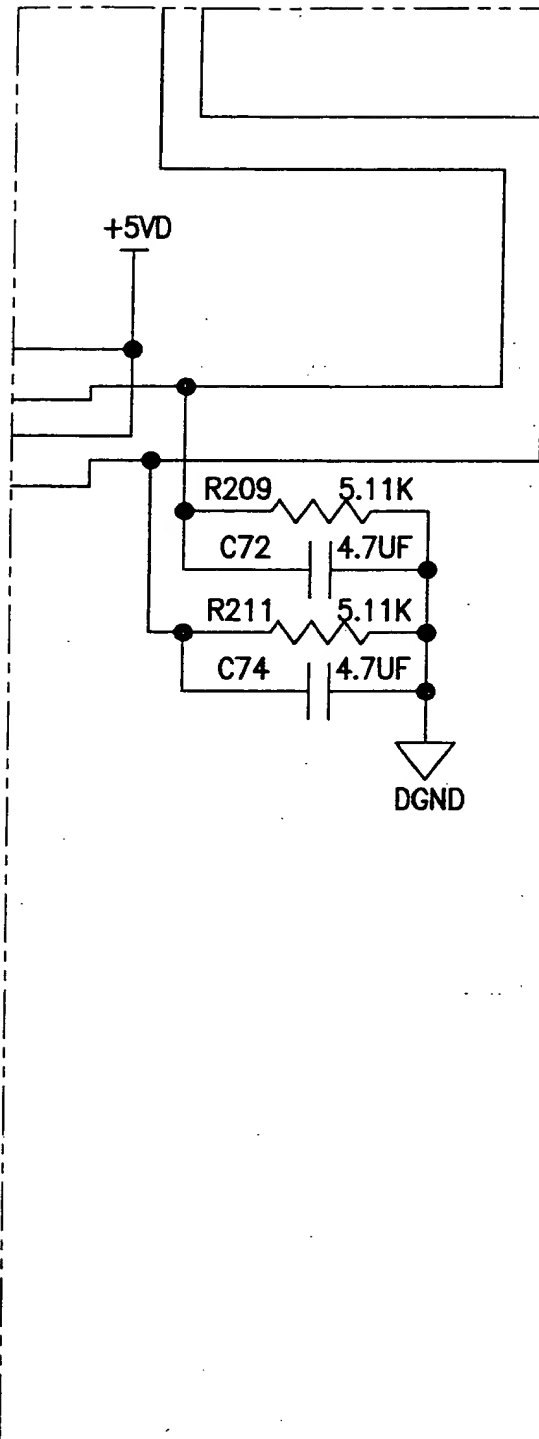
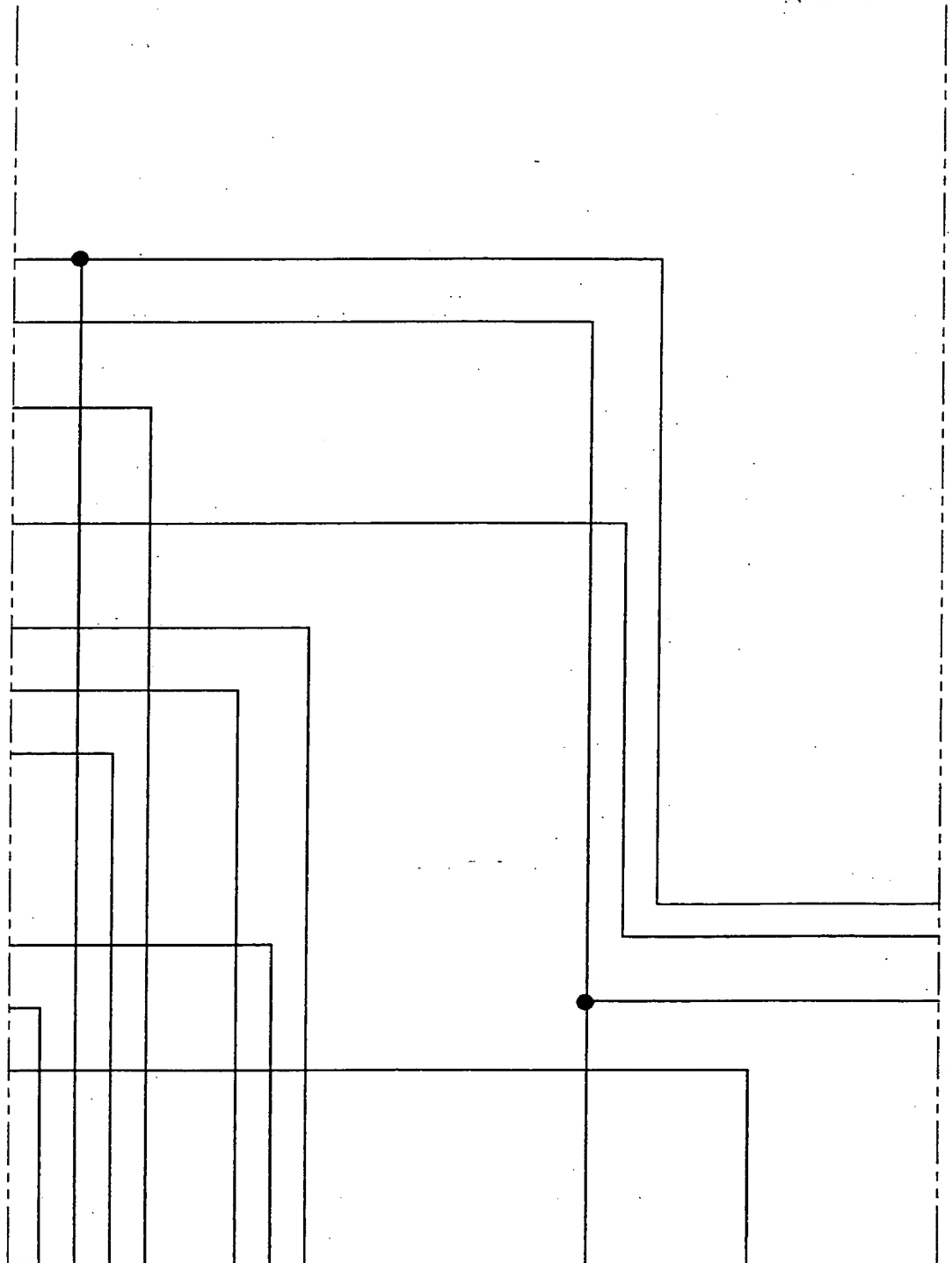


FIG. 66N

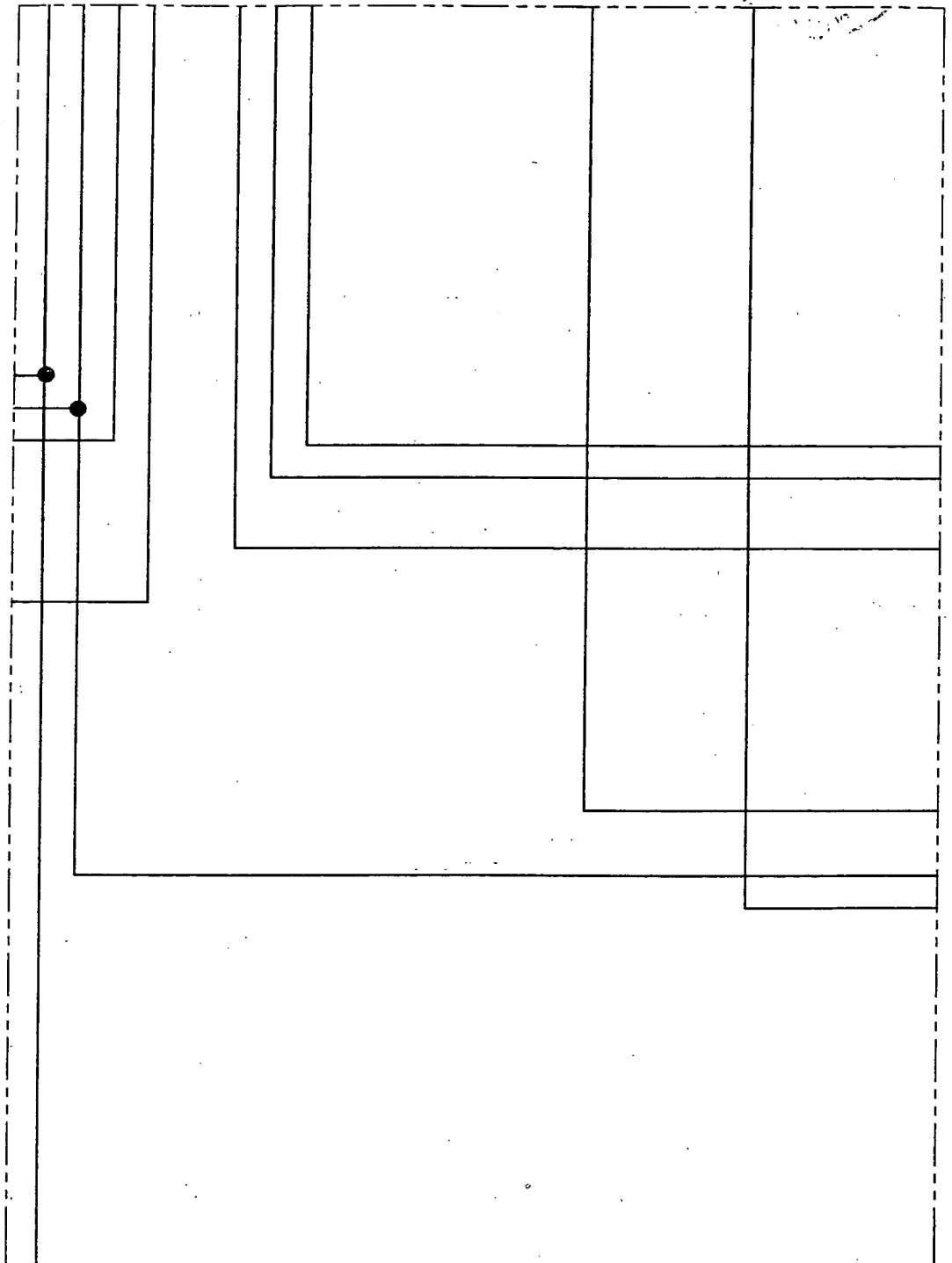


2003-01-20 10:00:00

FIG. 660

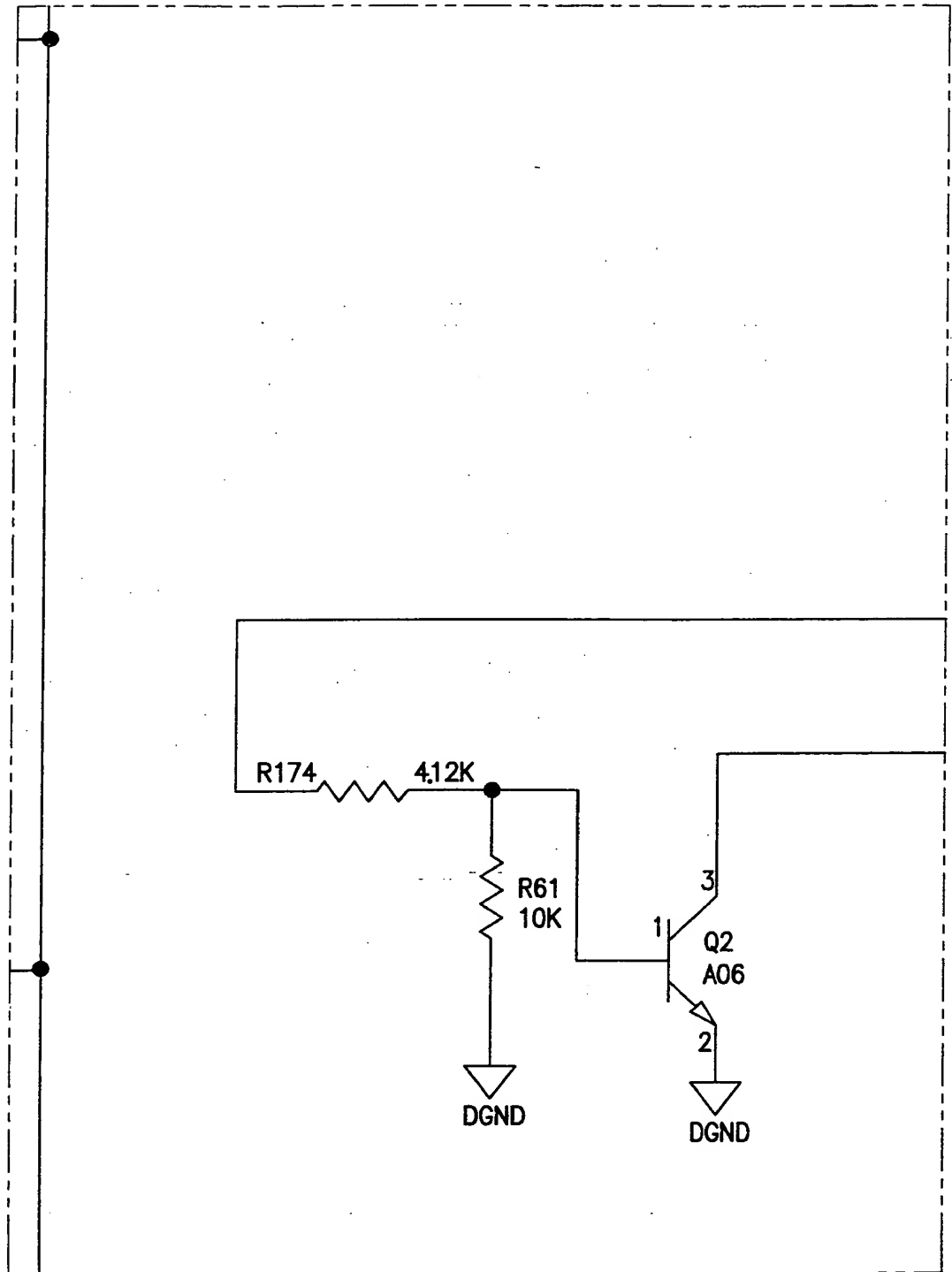


202510-2052200

[illegible]

2025-03-20 20:22:00

FIG. 66Q



0003502-012800

FIG. 66R

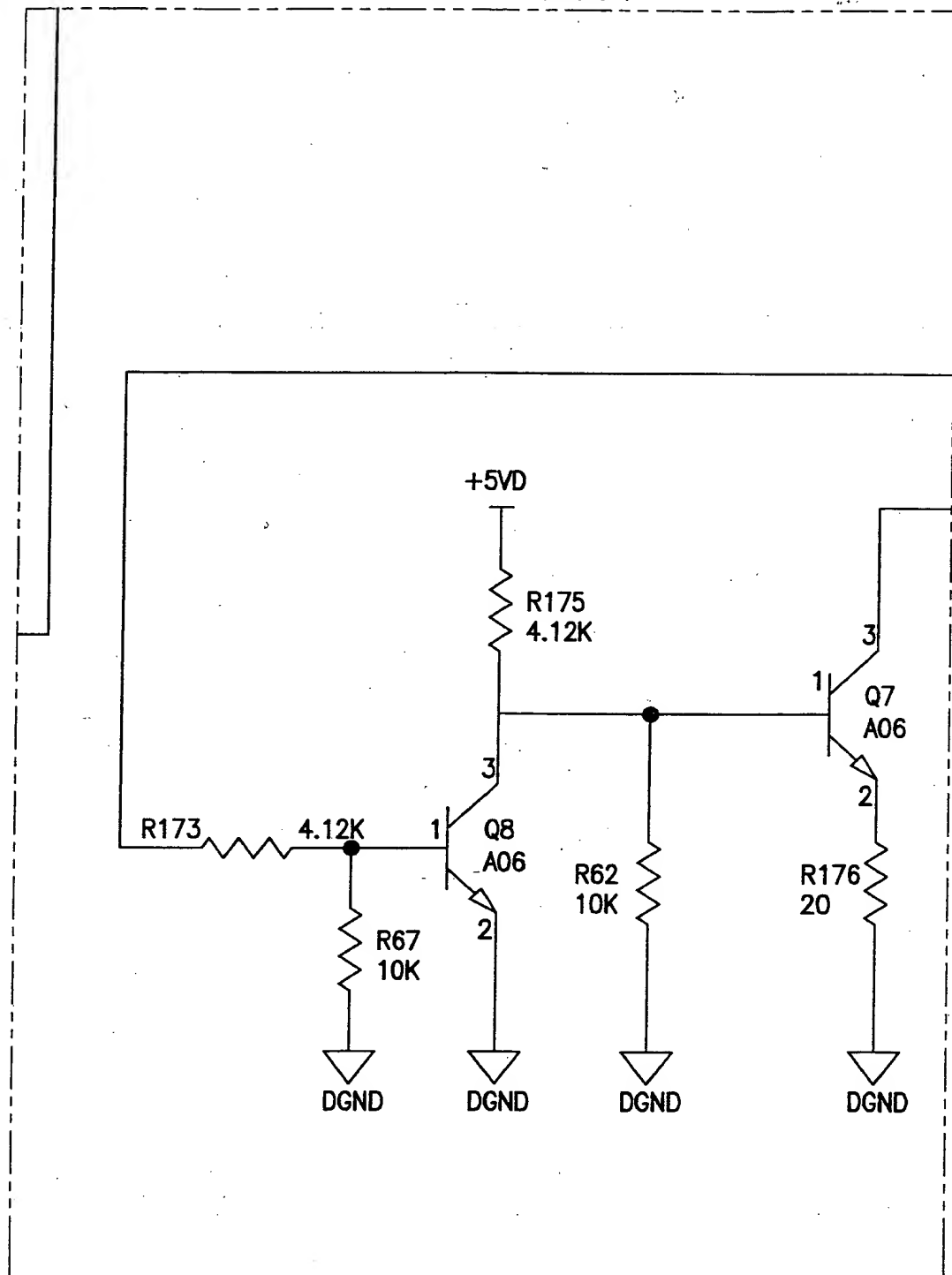
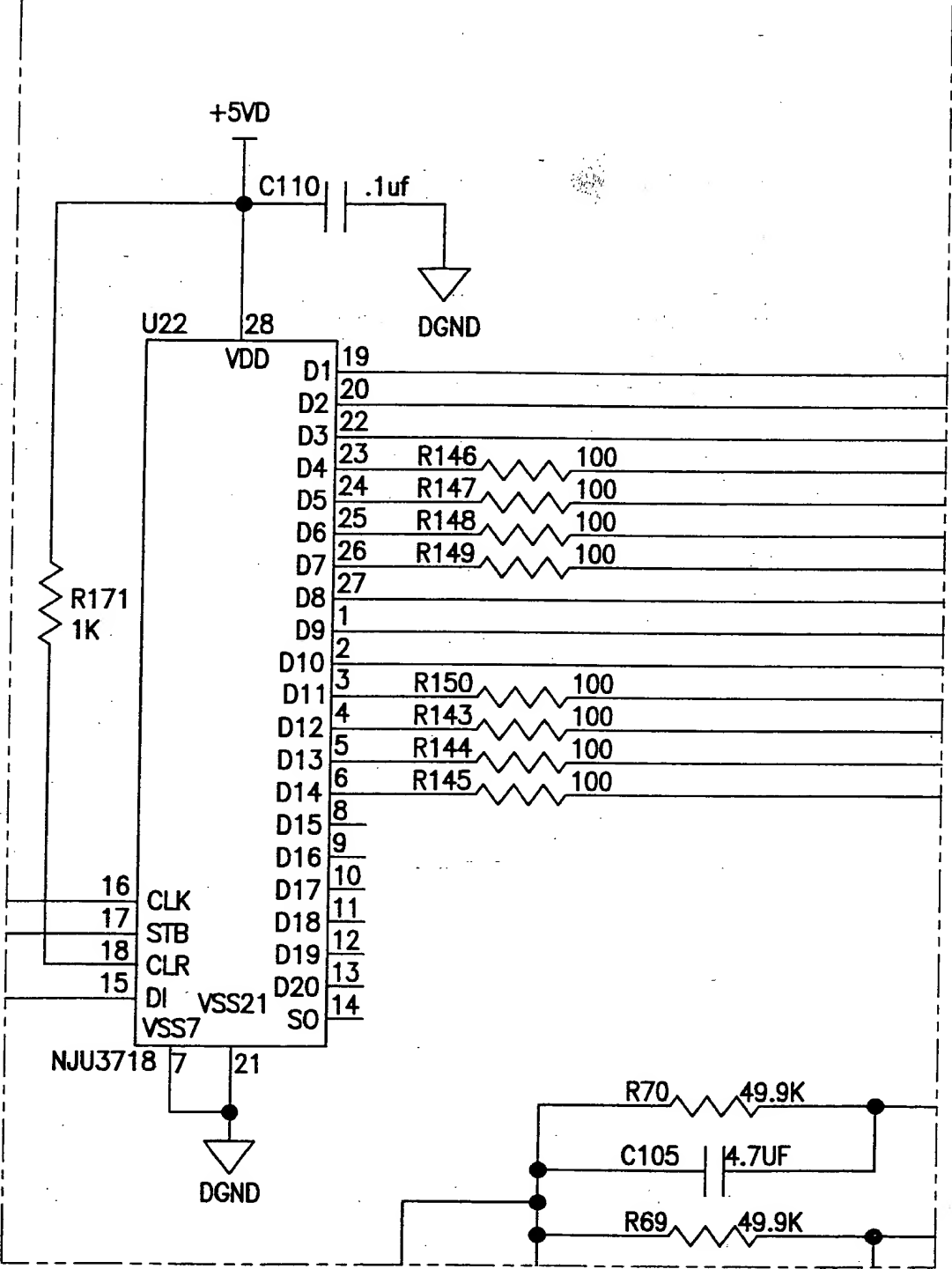


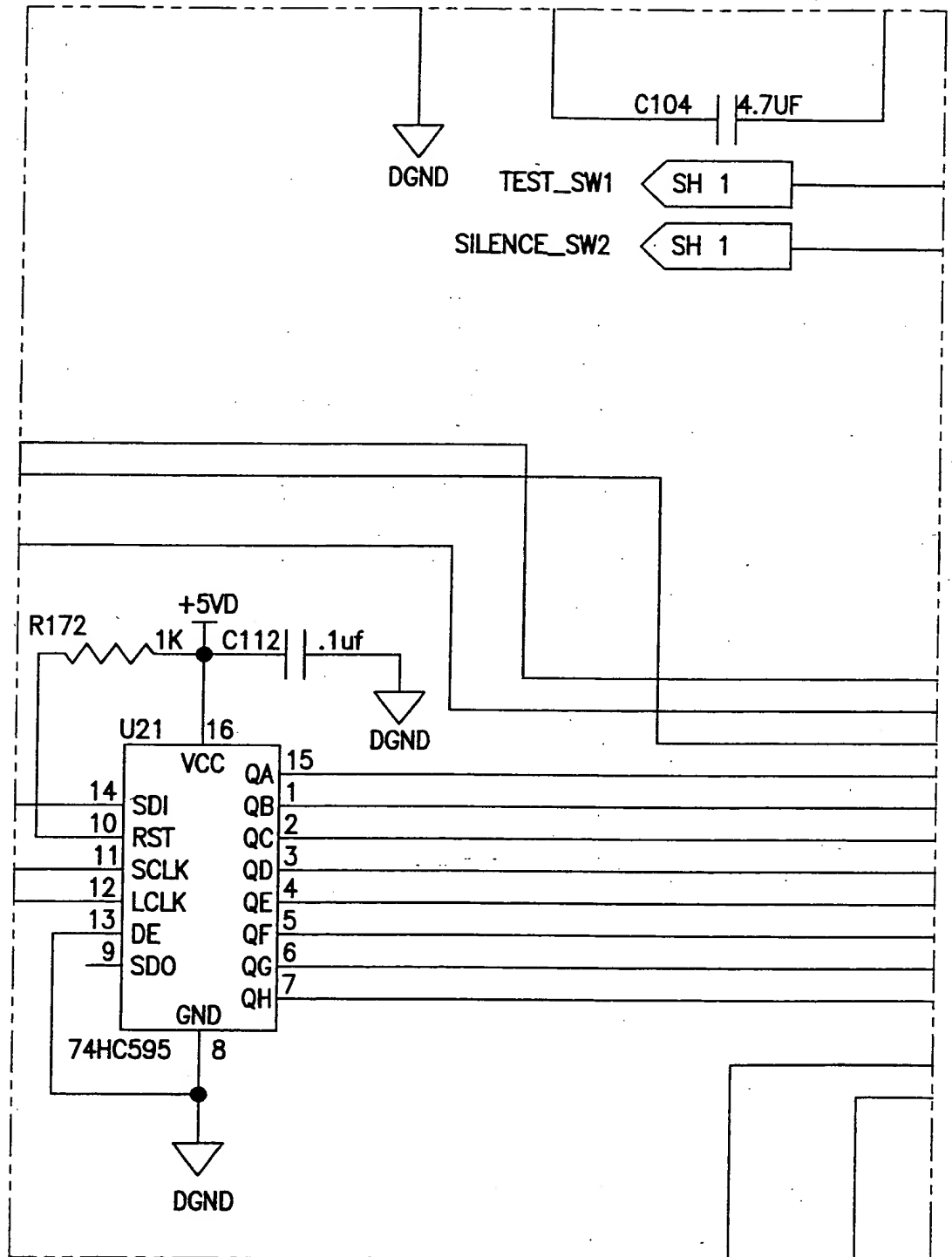
FIG. 66S



203210-20522000

200210-20322000

FIG. 66T



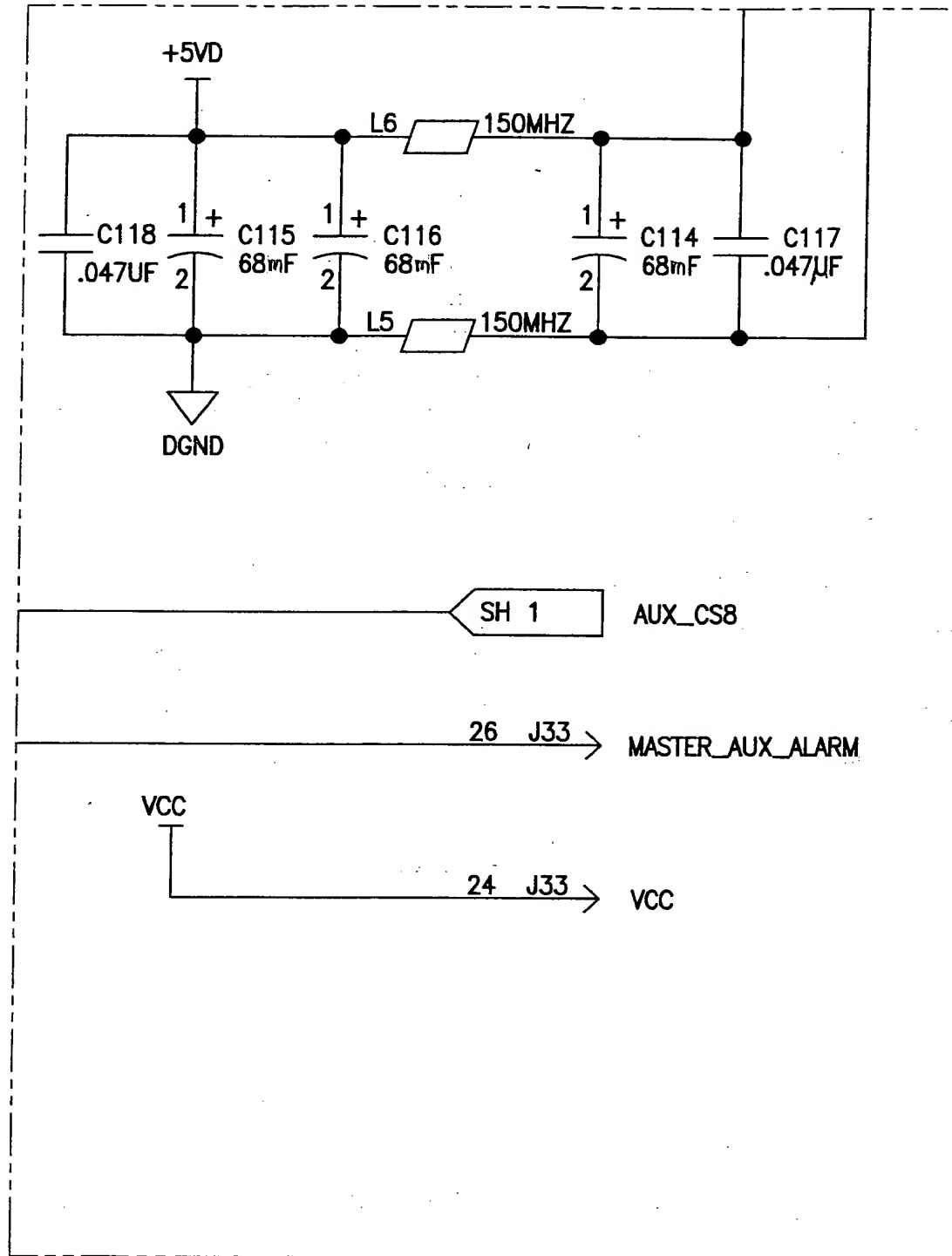
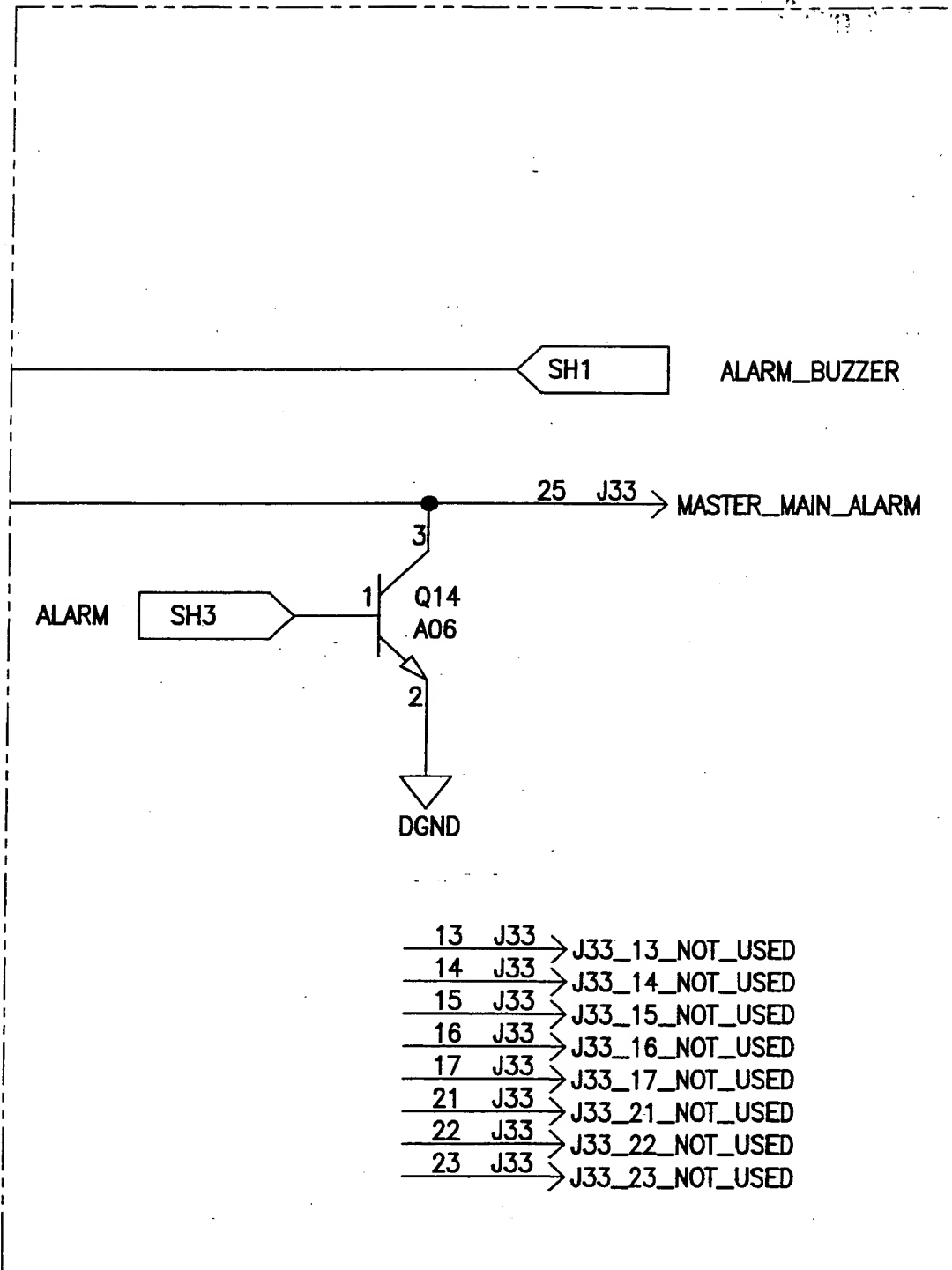


FIG. 66V

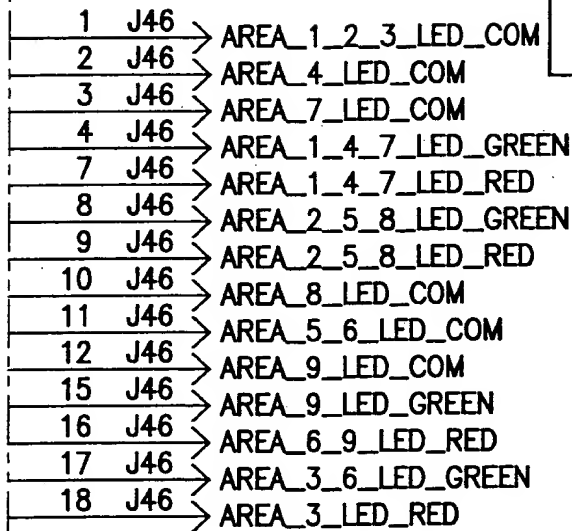


090225003-012000

FIG. 66W

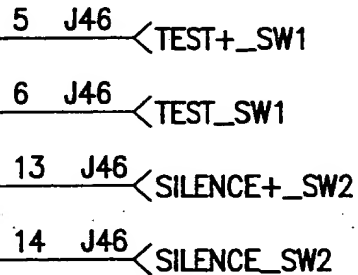
OVERLAY LED PIN CONNECT		
AREA LED #	GREEN	RED
1	1-4	1-7
2	1-8	1-9
3	1-17	1-18
4	2-4	2-7
5	11-8	11-9
6	11-17	11-16
7	3-4	3-7
8	10-8	10-9
9	12-15	12-16

TO OVERLAY



+5VD

R170
1K



FROM OVERLAY

200010-2052200

The logo of the American Society of Human Genetics (ASHG) is a circular emblem. It features a central design surrounded by the text "AMERICAN SOCIETY OF HUMAN GENETICS" in a circular border.



Case	Age	Sex	Duration	Location	Findings	Diagnosis
1	15	M	10 days	Left eye	Conjunctival injection, purulent discharge	Bacterial conjunctivitis
2	22	F	5 days	Right eye	Conjunctival injection, watery discharge	Viral conjunctivitis
3	35	M	3 weeks	Both eyes	Chronic conjunctival injection, follicular reaction	Allergic conjunctivitis
4	45	F	1 week	Left eye	Conjunctival injection, purulent discharge	Bacterial conjunctivitis
5	55	M	2 weeks	Right eye	Chronic conjunctival injection, follicular reaction	Allergic conjunctivitis
6	65	F	10 days	Both eyes	Conjunctival injection, watery discharge	Viral conjunctivitis
7	75	M	3 days	Left eye	Conjunctival injection, purulent discharge	Bacterial conjunctivitis
8	85	F	1 week	Right eye	Chronic conjunctival injection, follicular reaction	Allergic conjunctivitis
9	95	M	5 days	Both eyes	Conjunctival injection, watery discharge	Viral conjunctivitis
10	105	F	10 days	Left eye	Conjunctival injection, purulent discharge	Bacterial conjunctivitis

A circular diagram showing the distribution of 1000 respondents by age group. The circle is divided into segments representing different age ranges: 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+. The segments are labeled with their respective percentages of the total respondents.

		FIG. 67E	FIG. 67I	FIG. 67M		
FIG. 67A	FIG. 67B	FIG. 67F	FIG. 67J	FIG. 67N	FIG. 67Q	FIG. 67T
	FIG. 67C	FIG. 67G	FIG. 67K	FIG. 67O	FIG. 67R	FIG. 67U
	FIG. 67D	FIG. 67H	FIG. 67L	FIG. 67P	FIG. 67S	

FIG. 67A

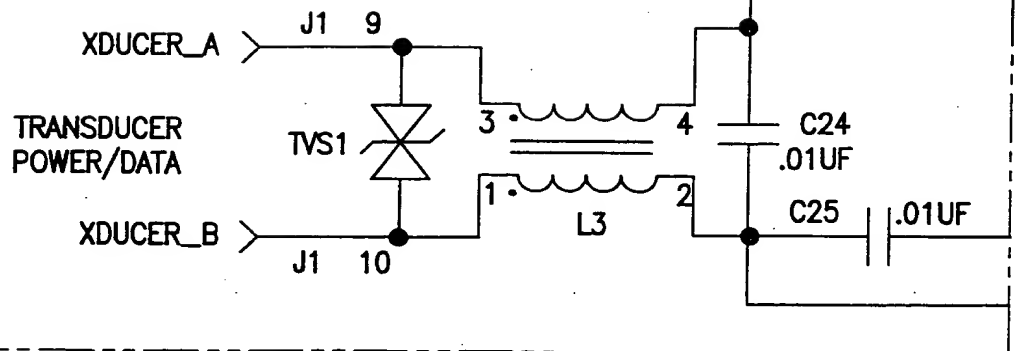
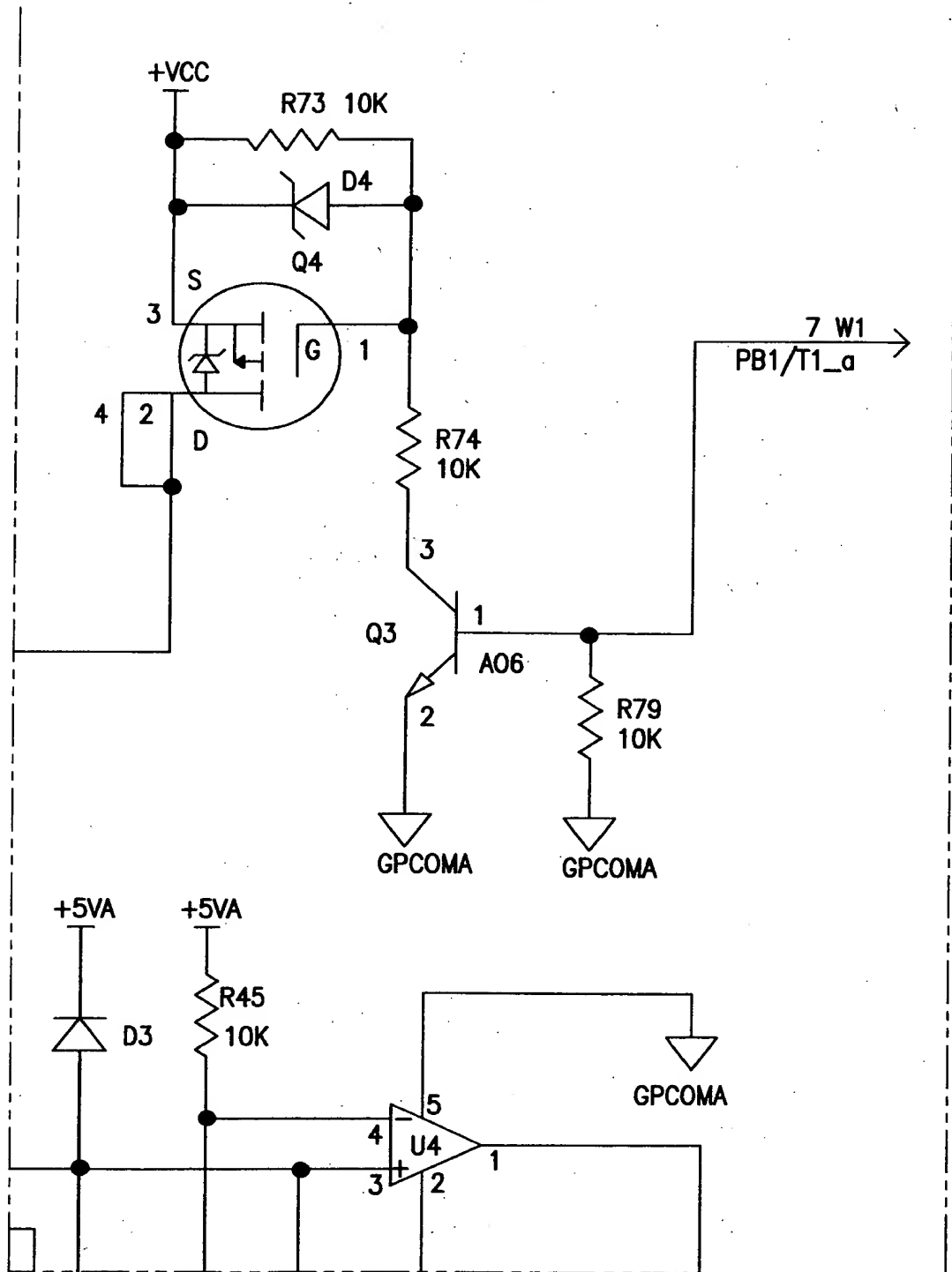


FIG. 67B



2025-10-20 10:00:00

FIG. 67C

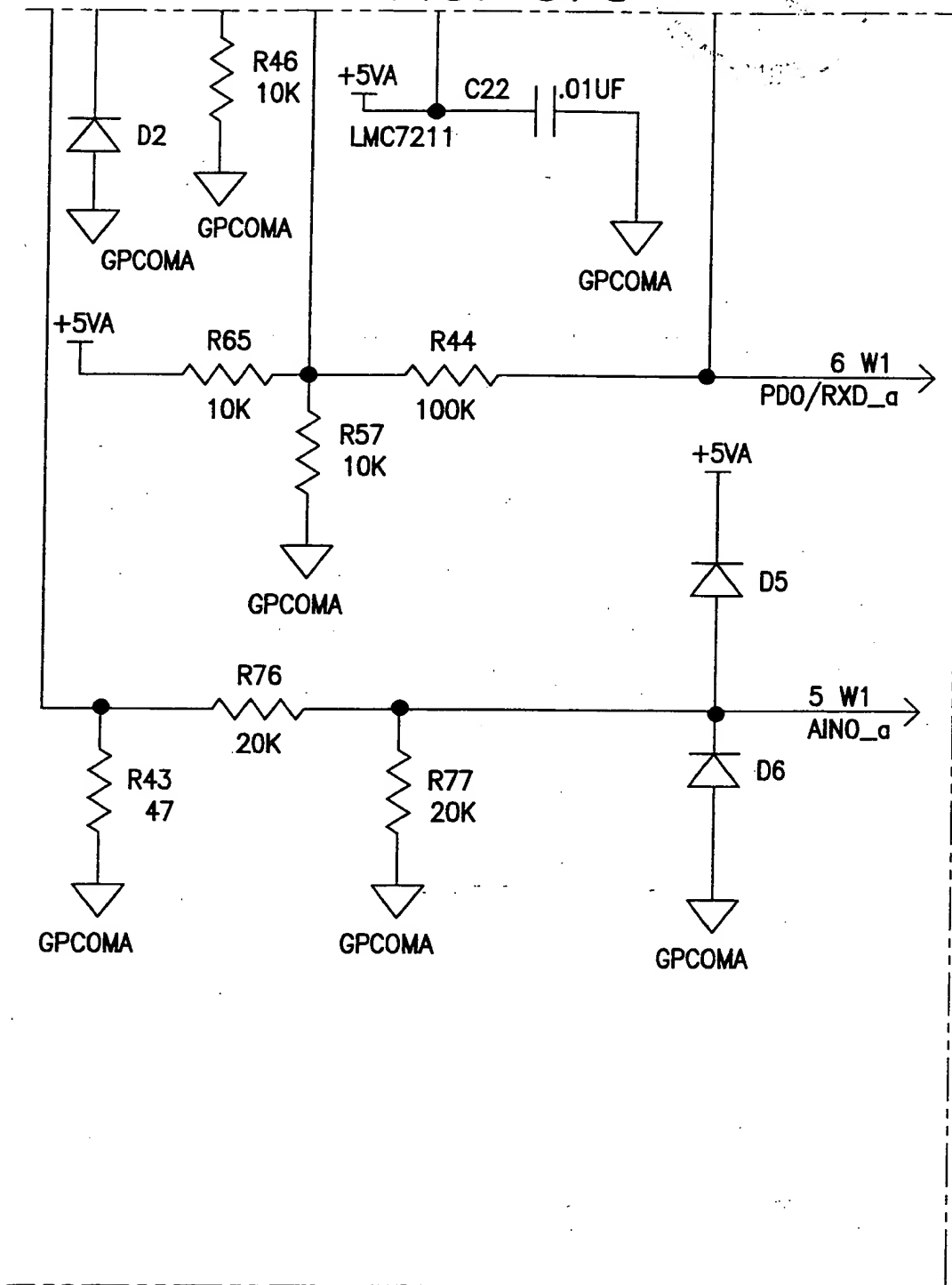
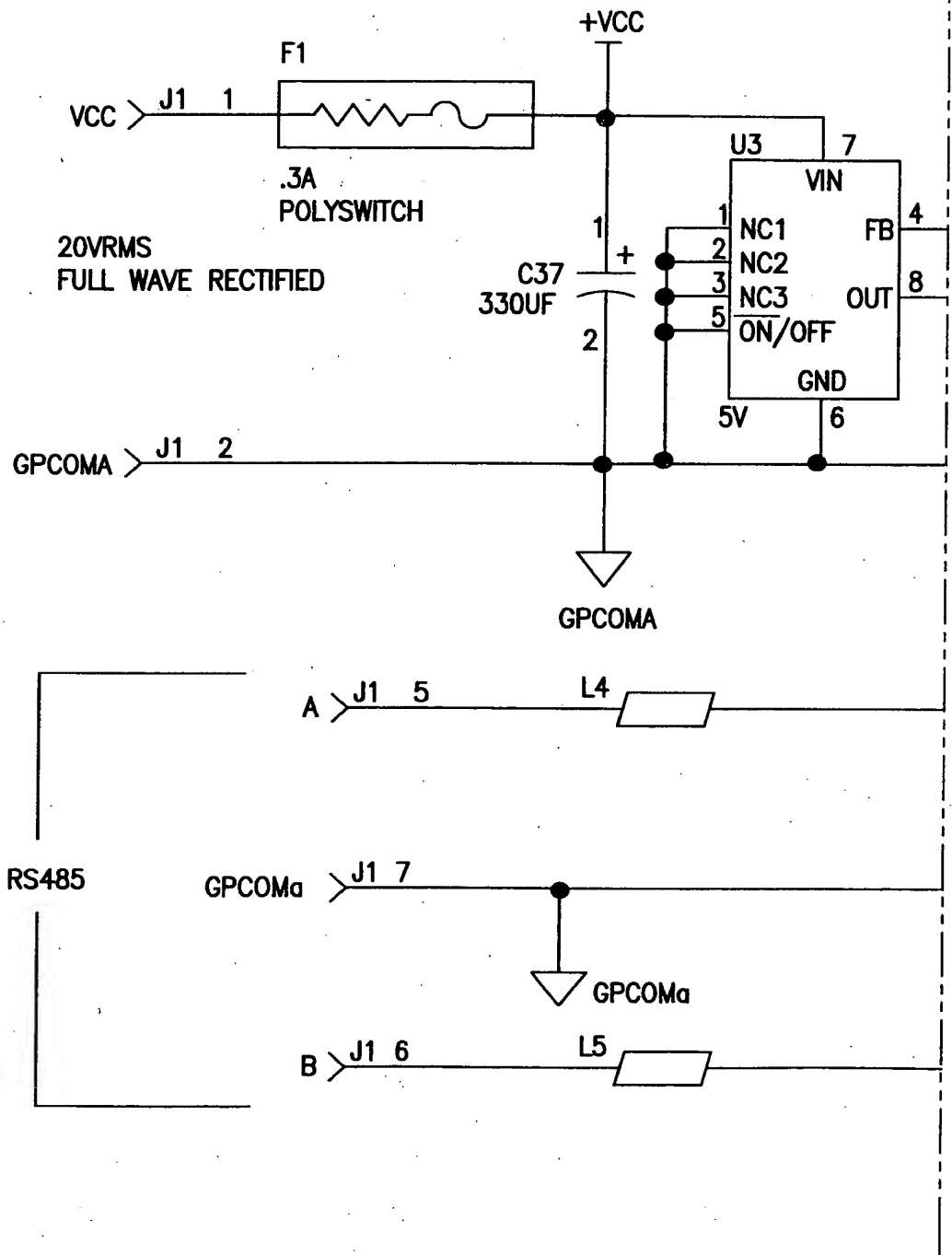


FIG. 67D



2025-10-20 10:00:00

FIG. 67E

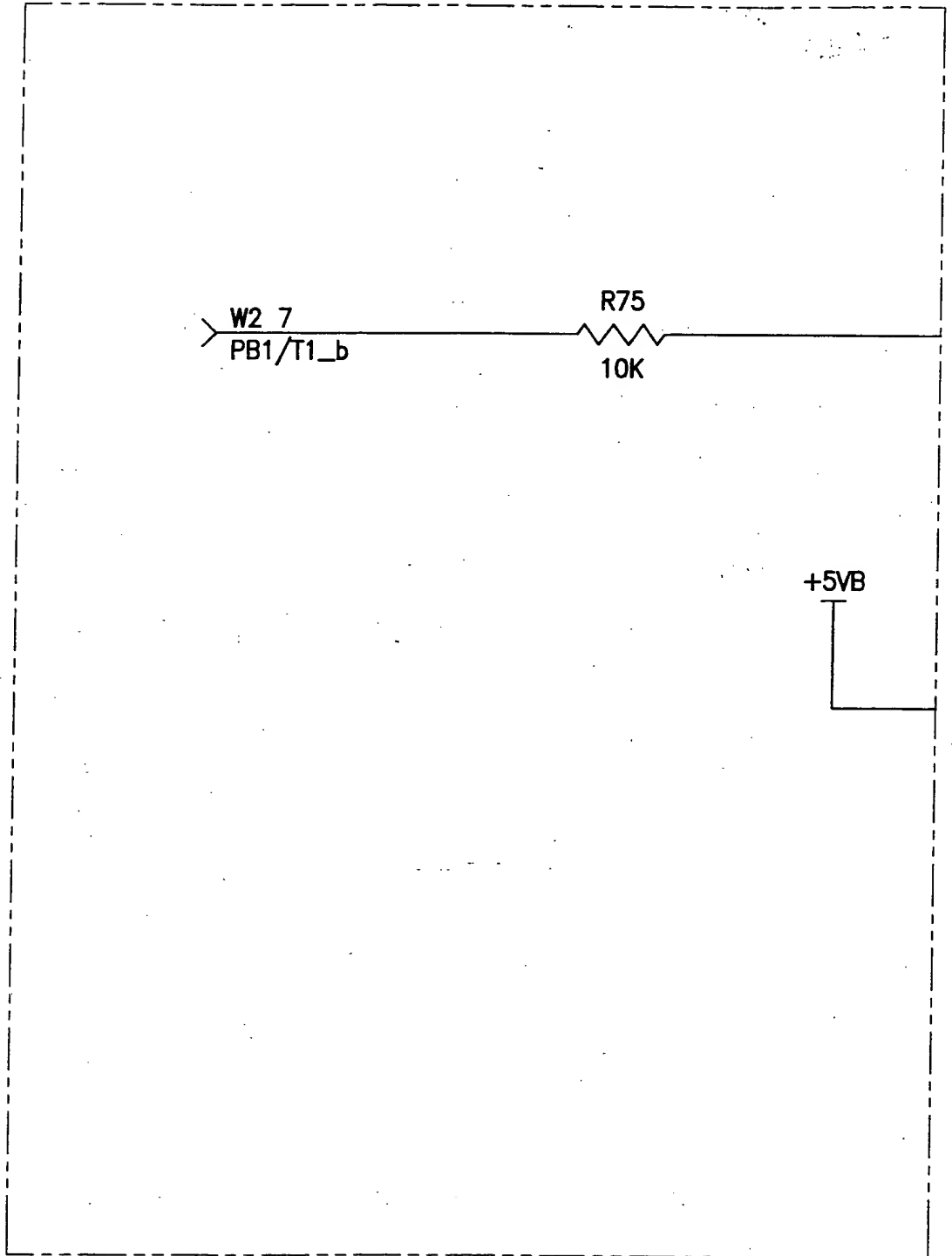
AUX_ALARM > J1 3 10W1
AUX_ALARM_A >

MAIN_ALARM > J1 4 9 W1
MAIN_ALARM_A >

GUARDED_ACCESS > J1 8 8 W1
GUARDED_ACCESS_A >

200210-20522000

FIG. 67F



200270-2052200

FIG. 67G

W2 6
PDO/RXD_b

W2 5
AINO_b

AINO

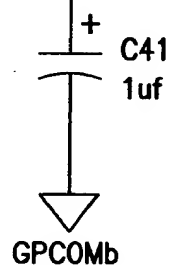
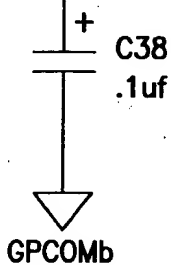
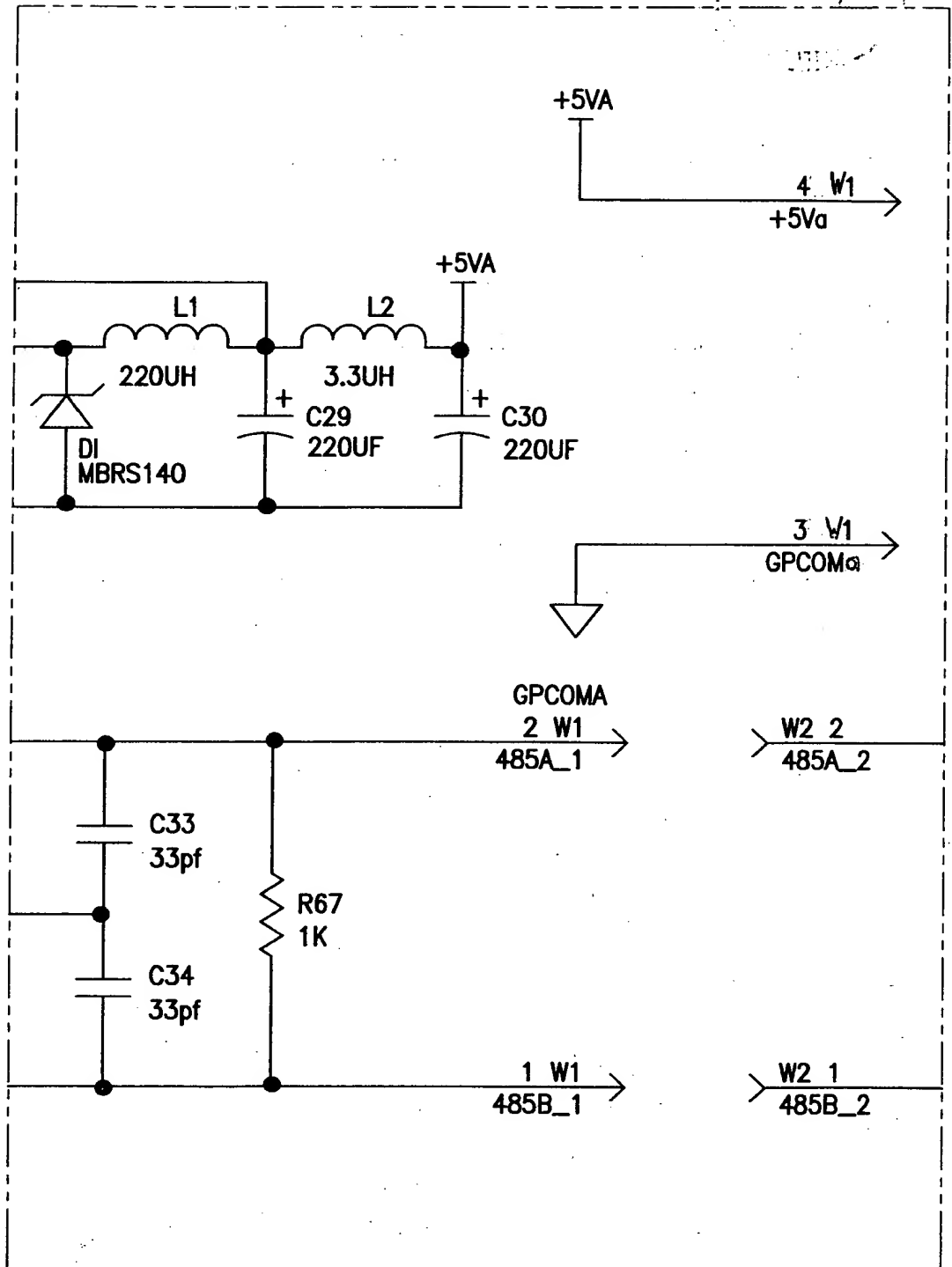
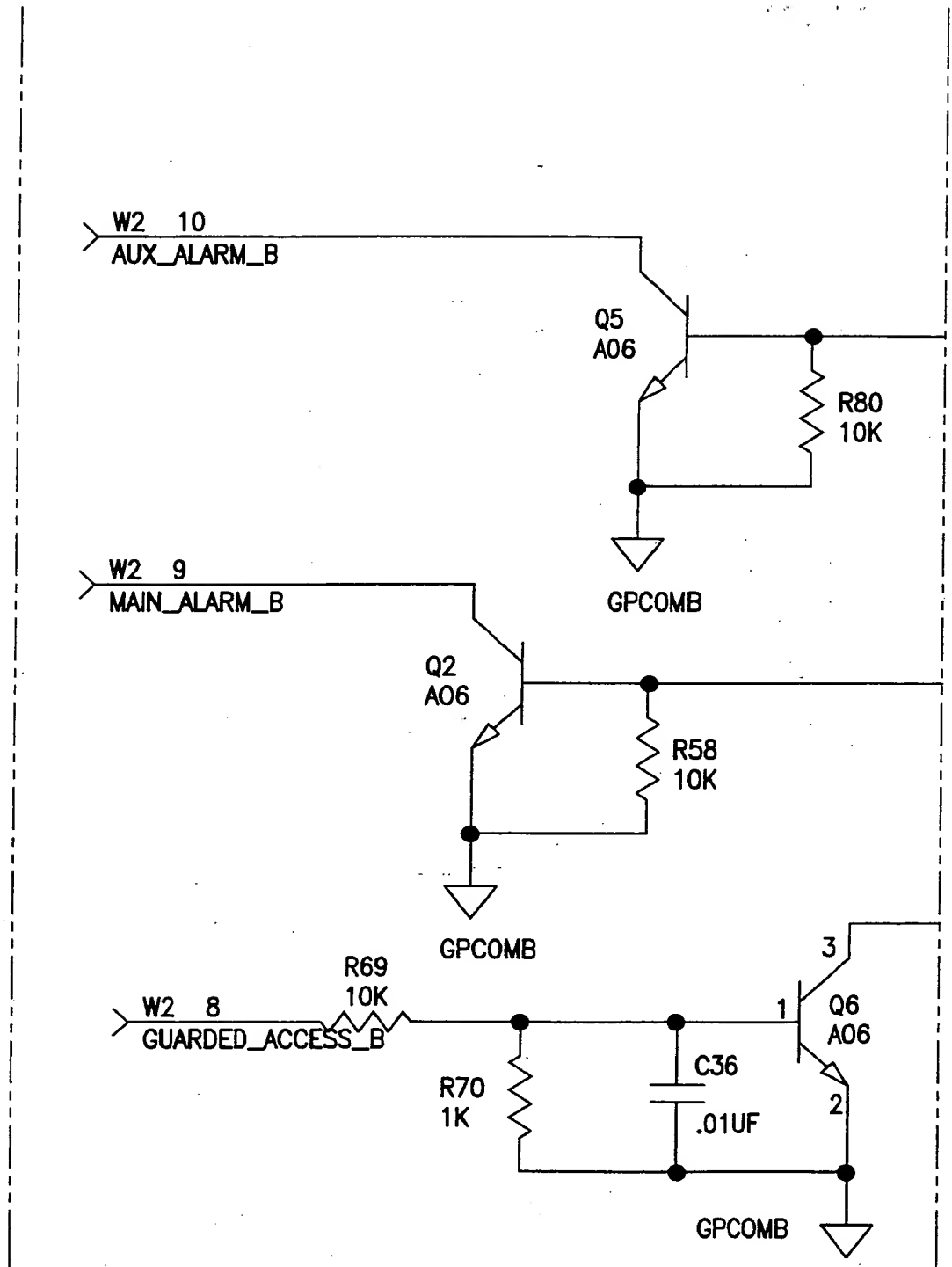


FIG. 67H



200210 2052200

FIG. 67I



202210-2052200

FIG. 67J

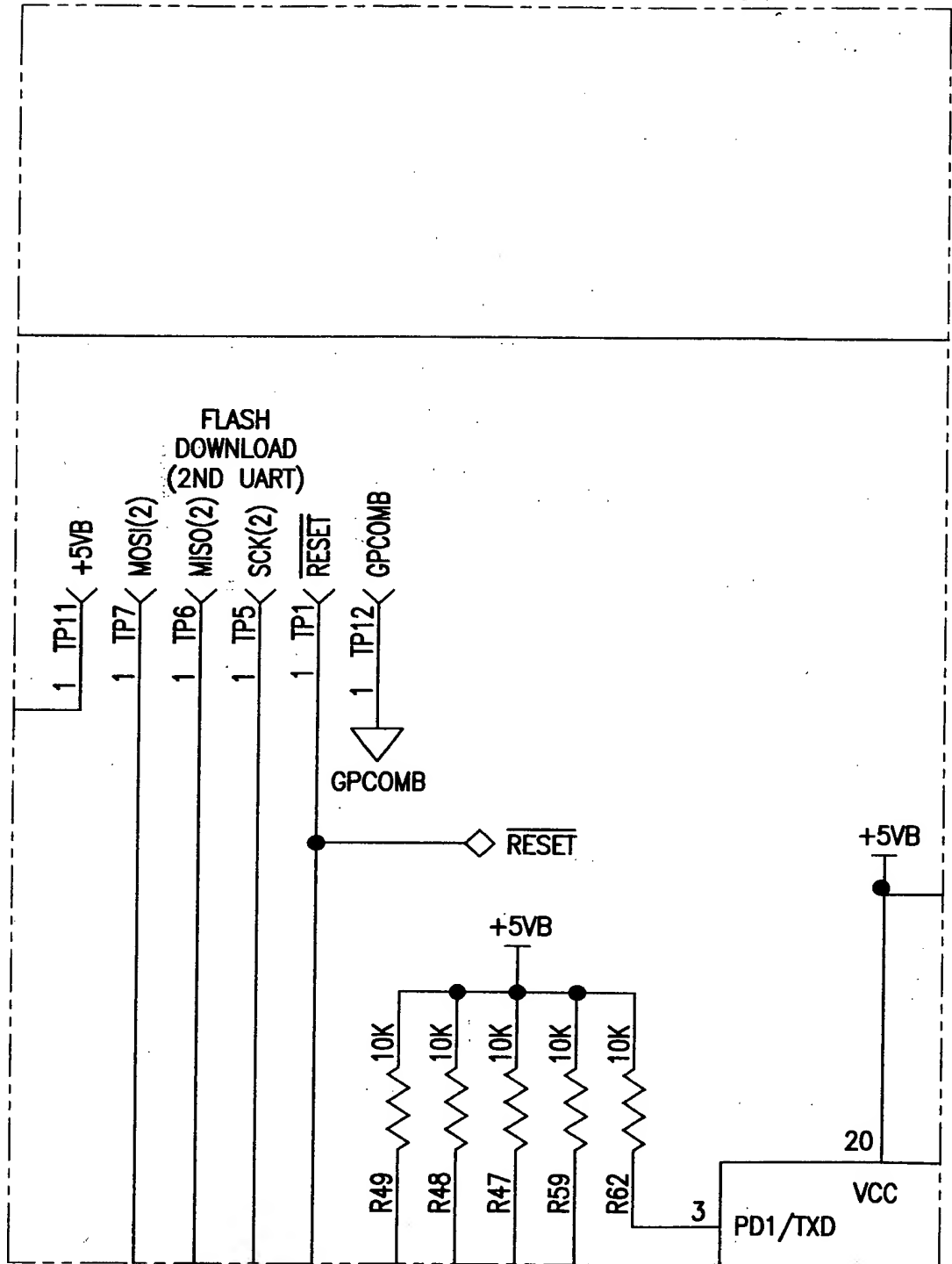
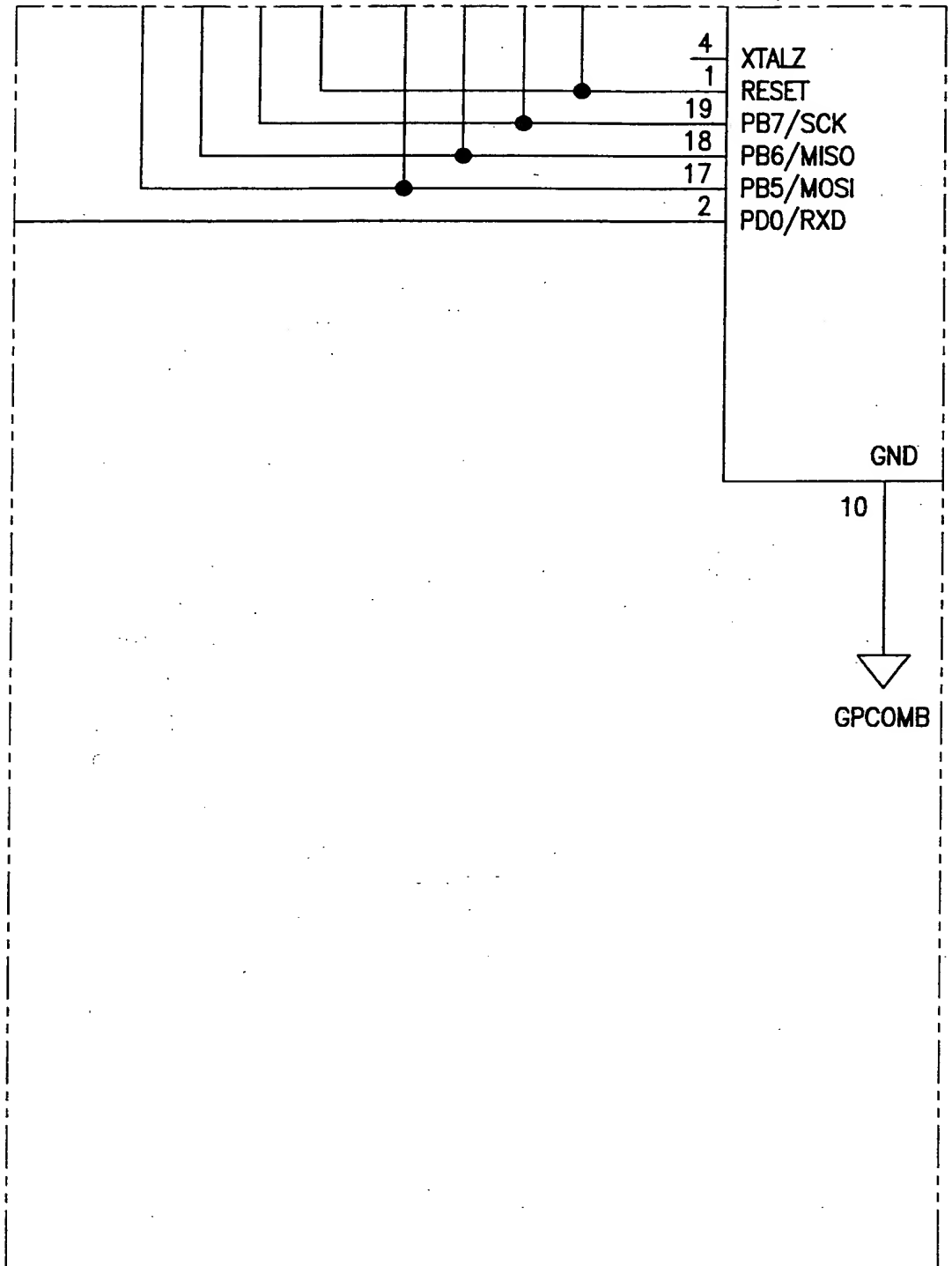
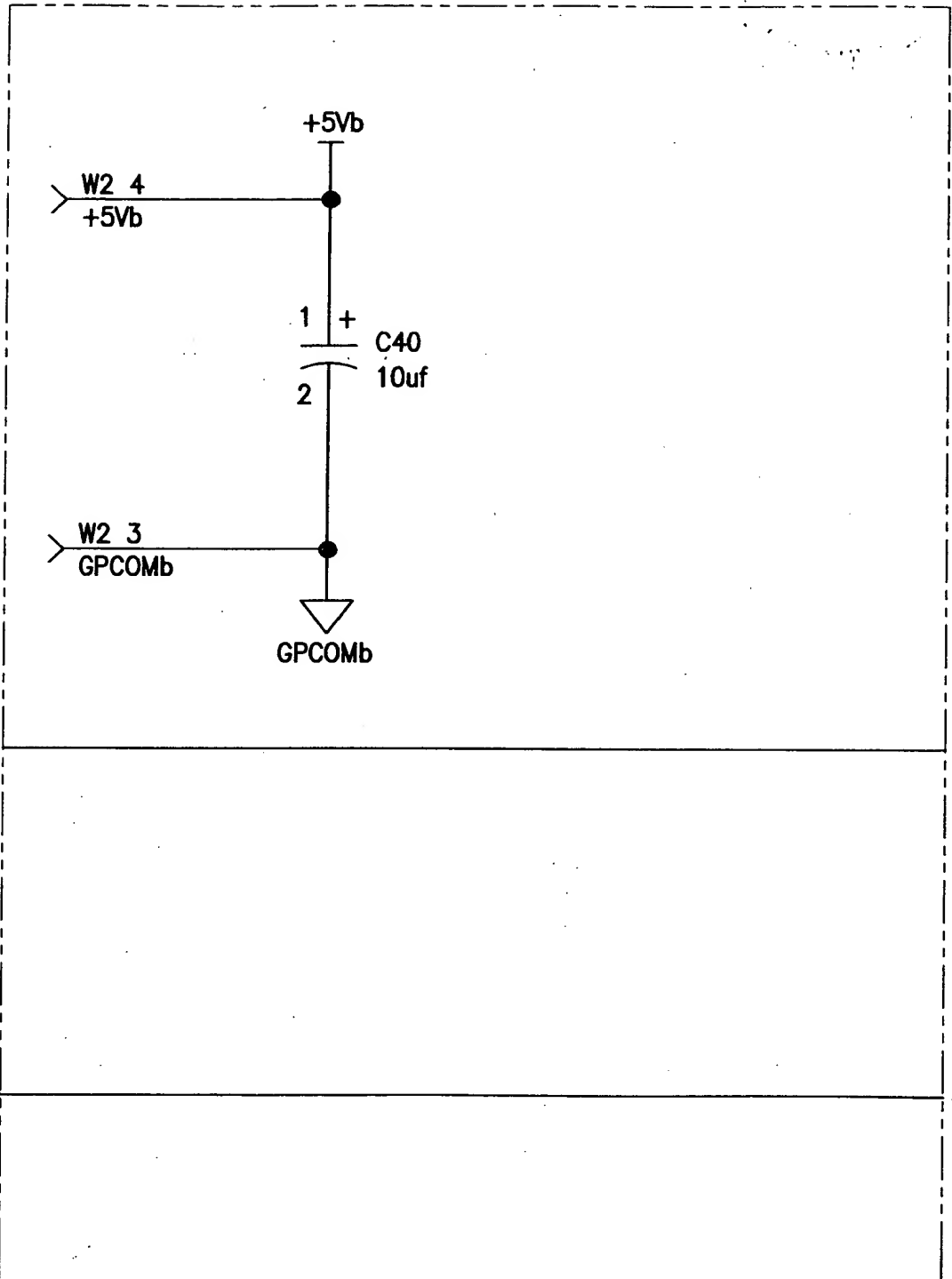


FIG. 67K



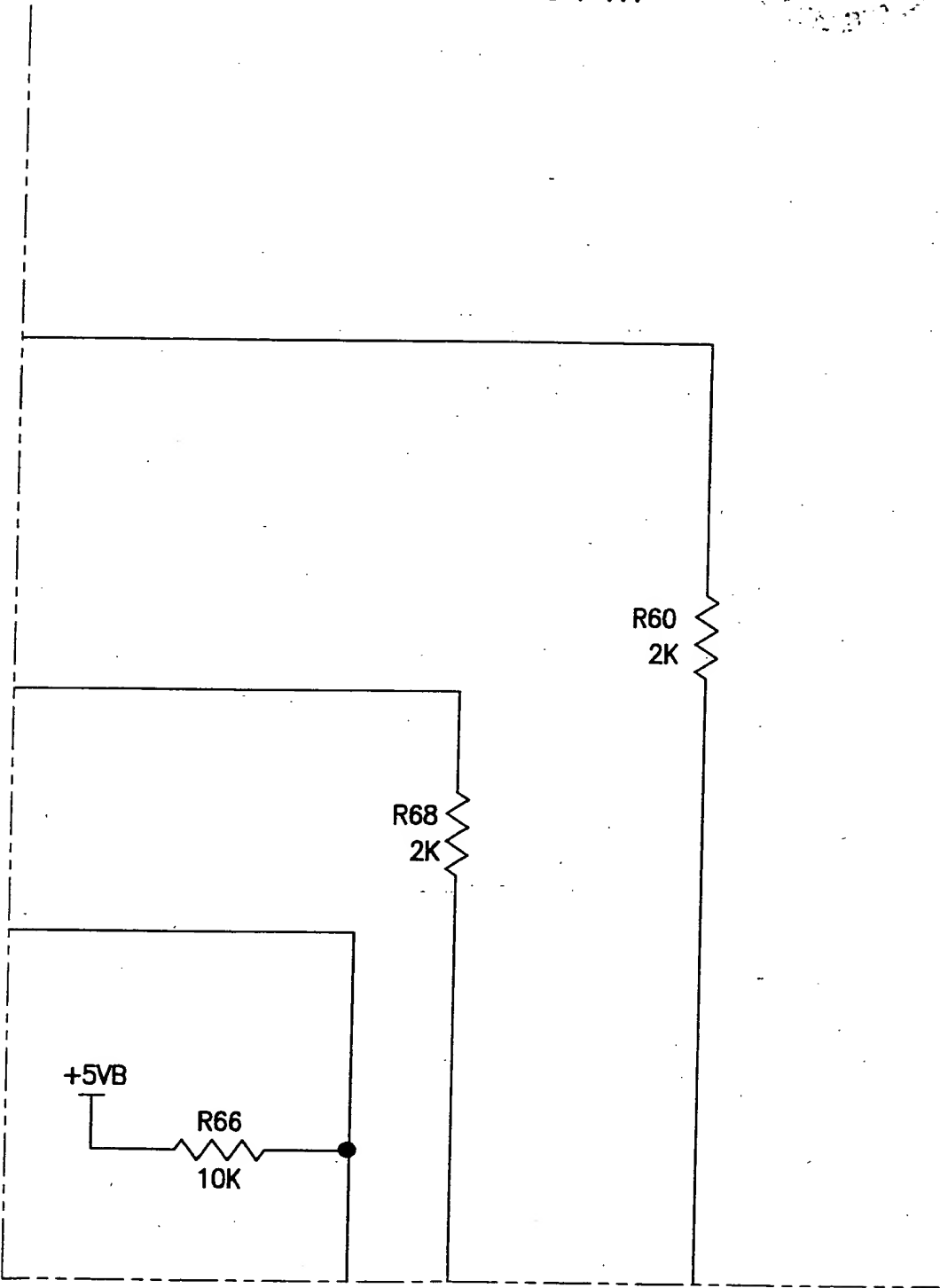
205210-2052200

FIG. 67L



202570-2052200

FIG. 67M



2022-04-20 10:00:00

20522660-20522660

FIG. 67N

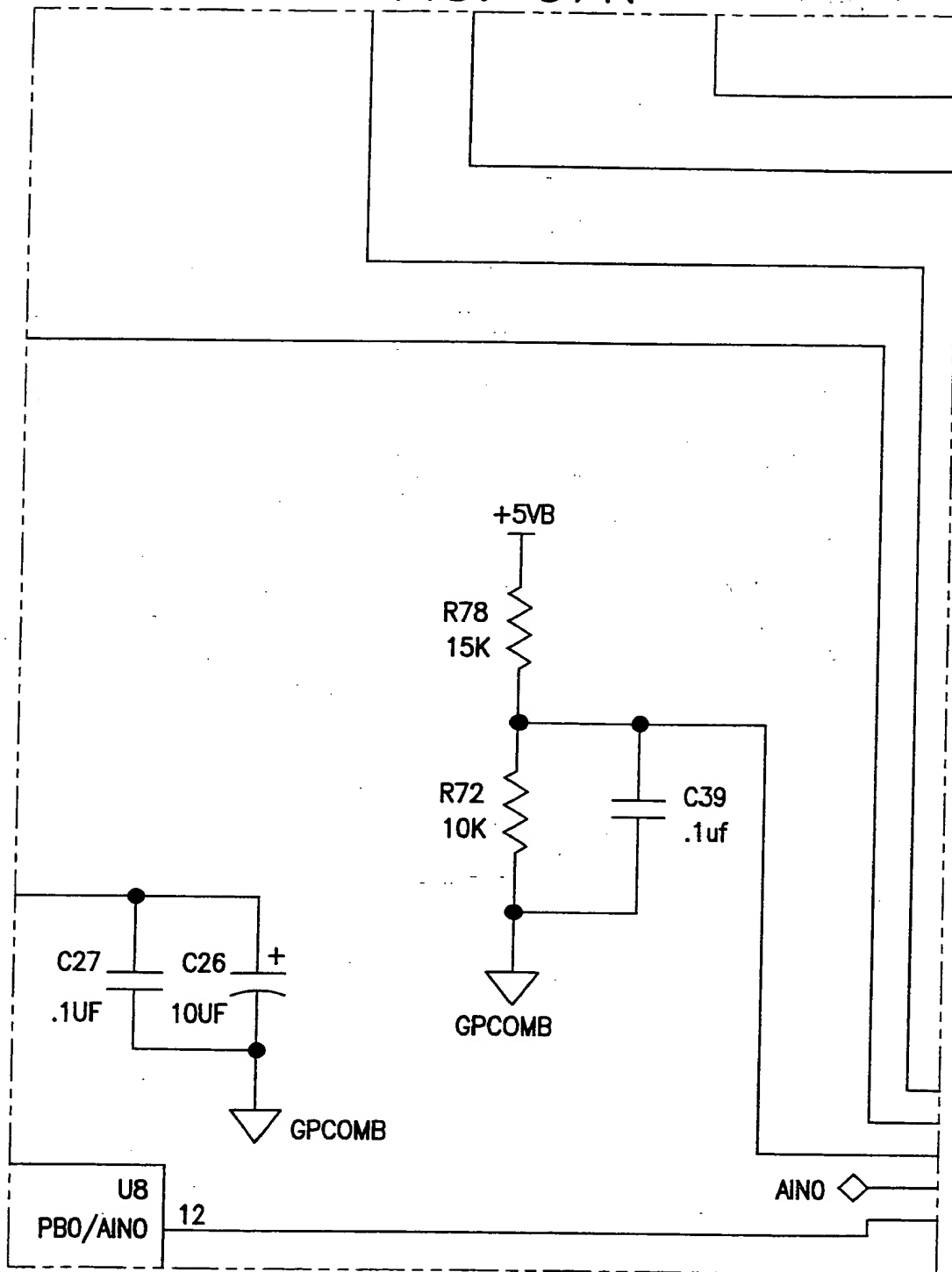
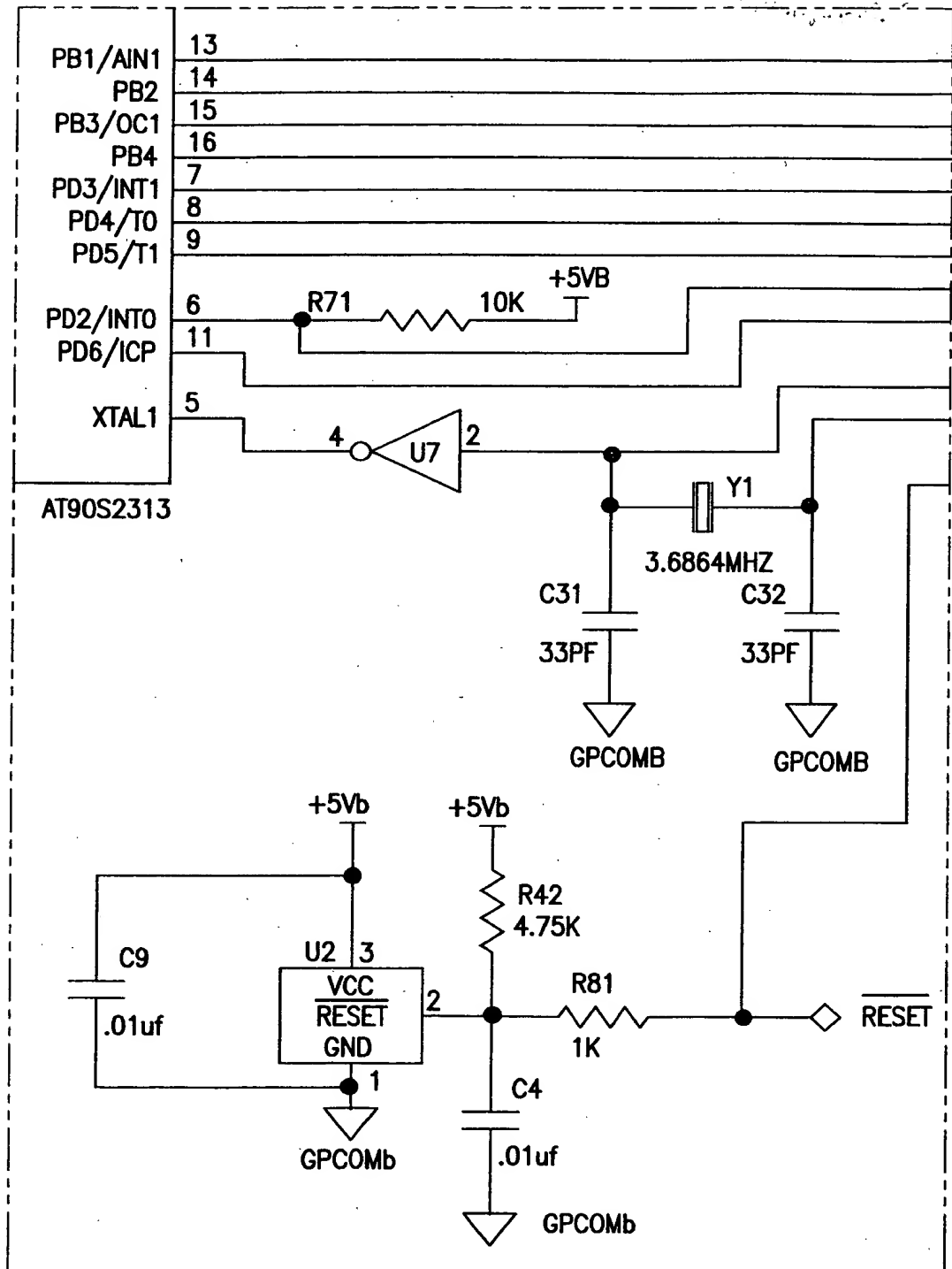
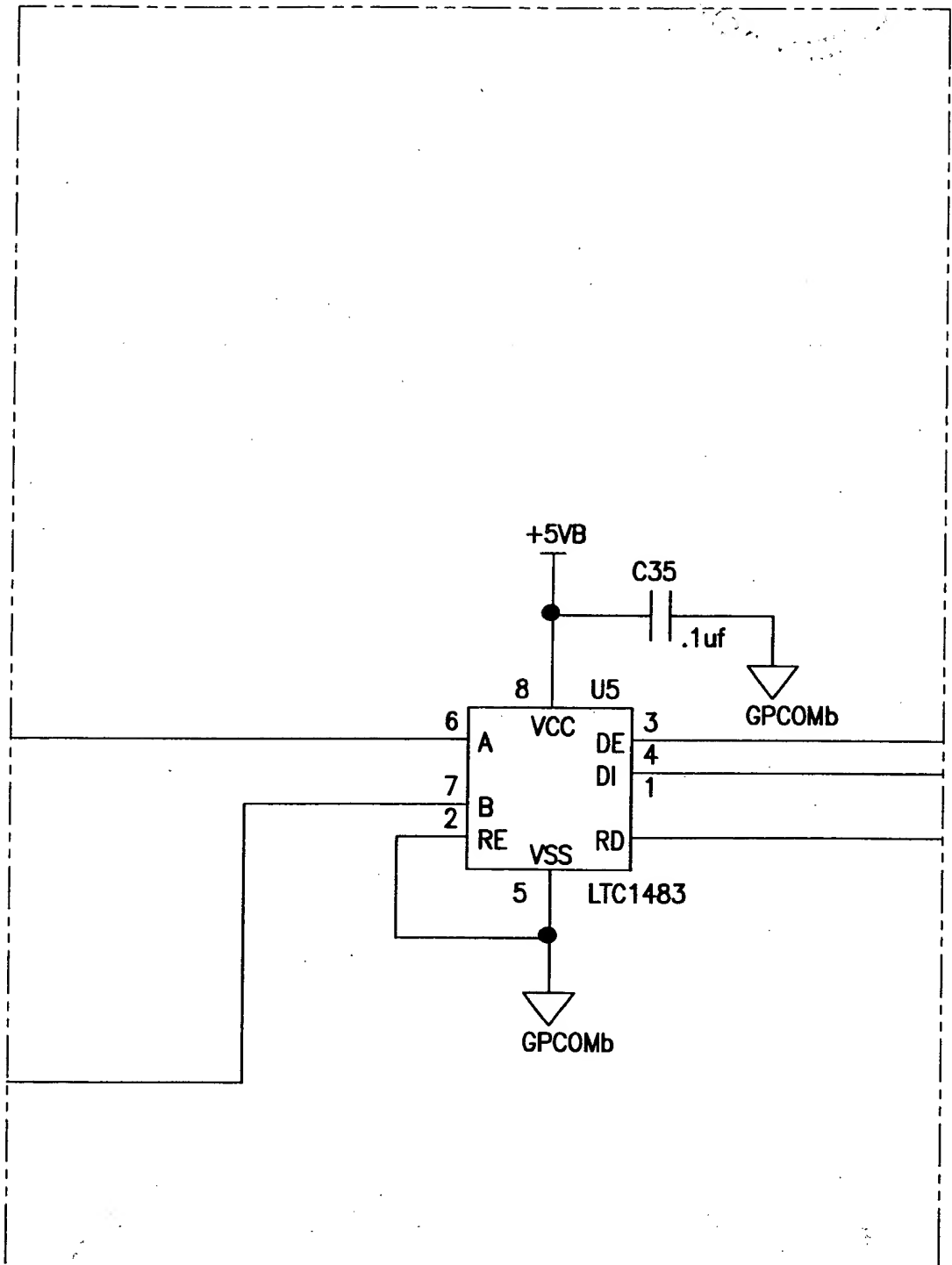


FIG. 670



200210-20522660

FIG. 67P



000000-010000

FIG. 70

FIG. 70A	FIG. 70C	FIG. 70E	FIG. 70G	FIG. 70I
FIG. 70B	FIG. 70D	FIG. 70F	FIG. 70H	FIG. 70J

20250220 20250220

FIG. 70A

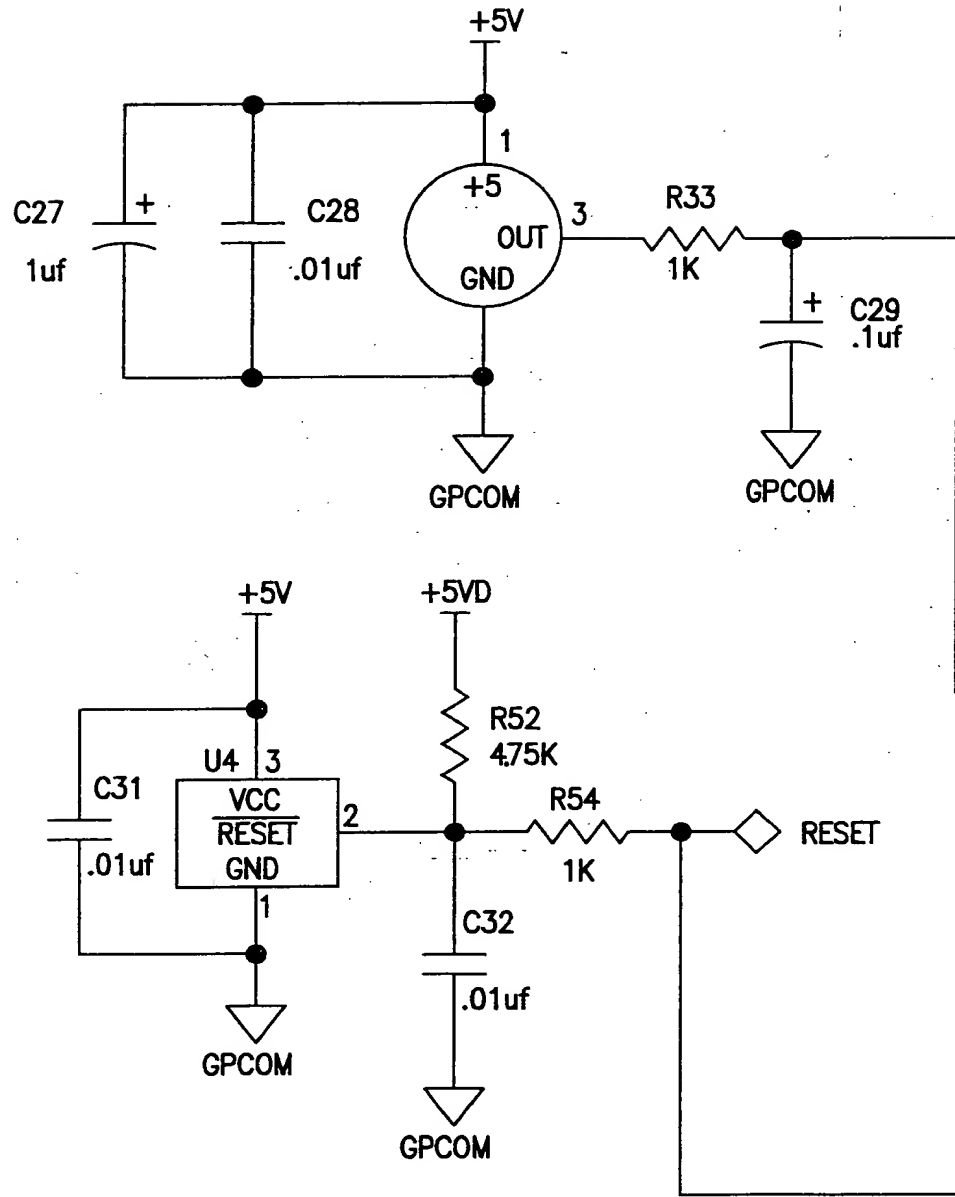
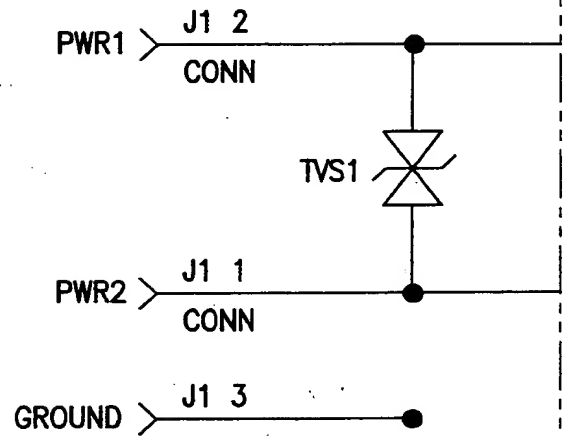
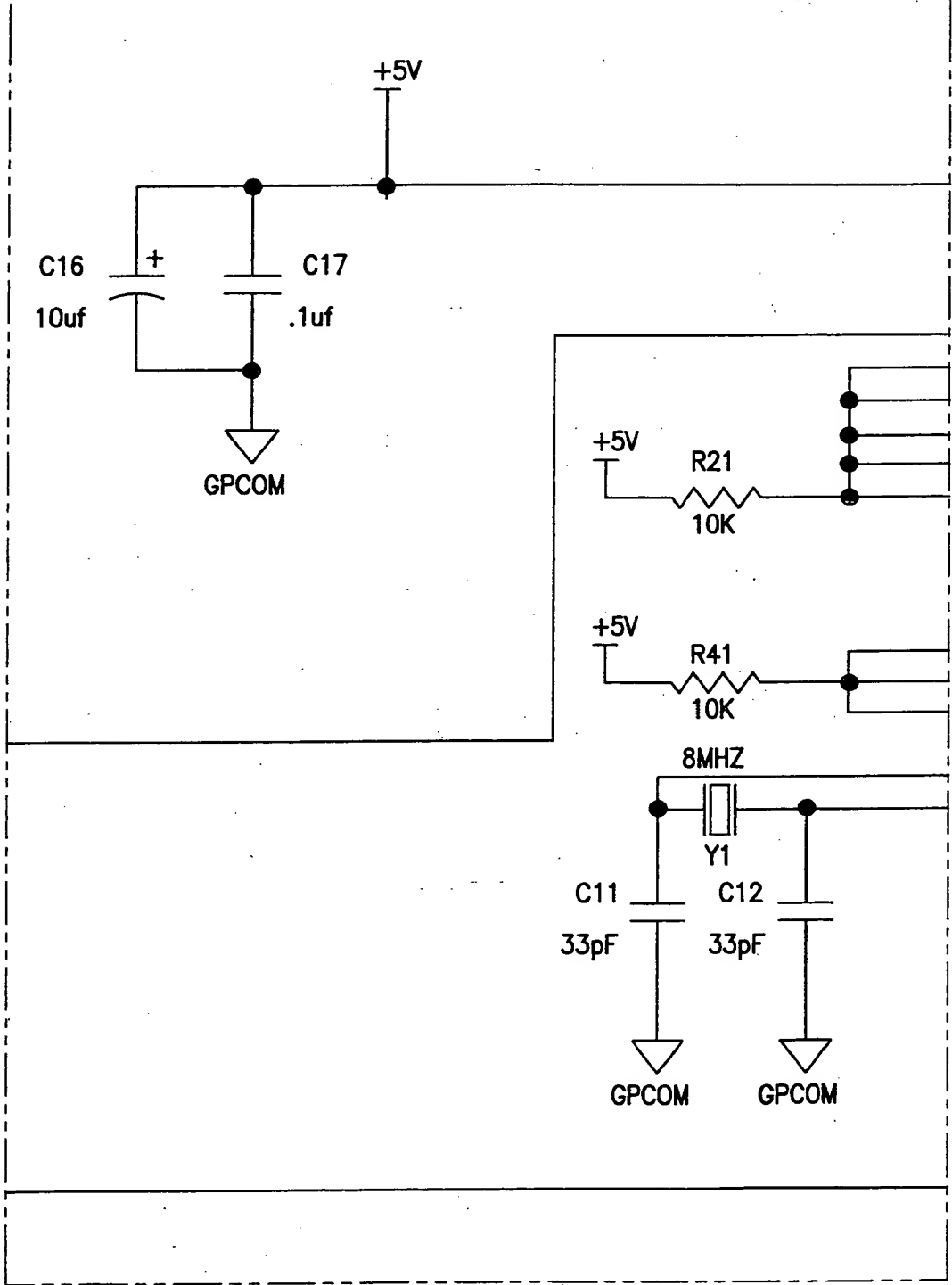


FIG. 70B



202510-20322000

FIG. 70C



205270-20522000

A circular diagram with a dashed line and a solid line. The dashed line is labeled 'D' and the solid line is labeled 'S'.

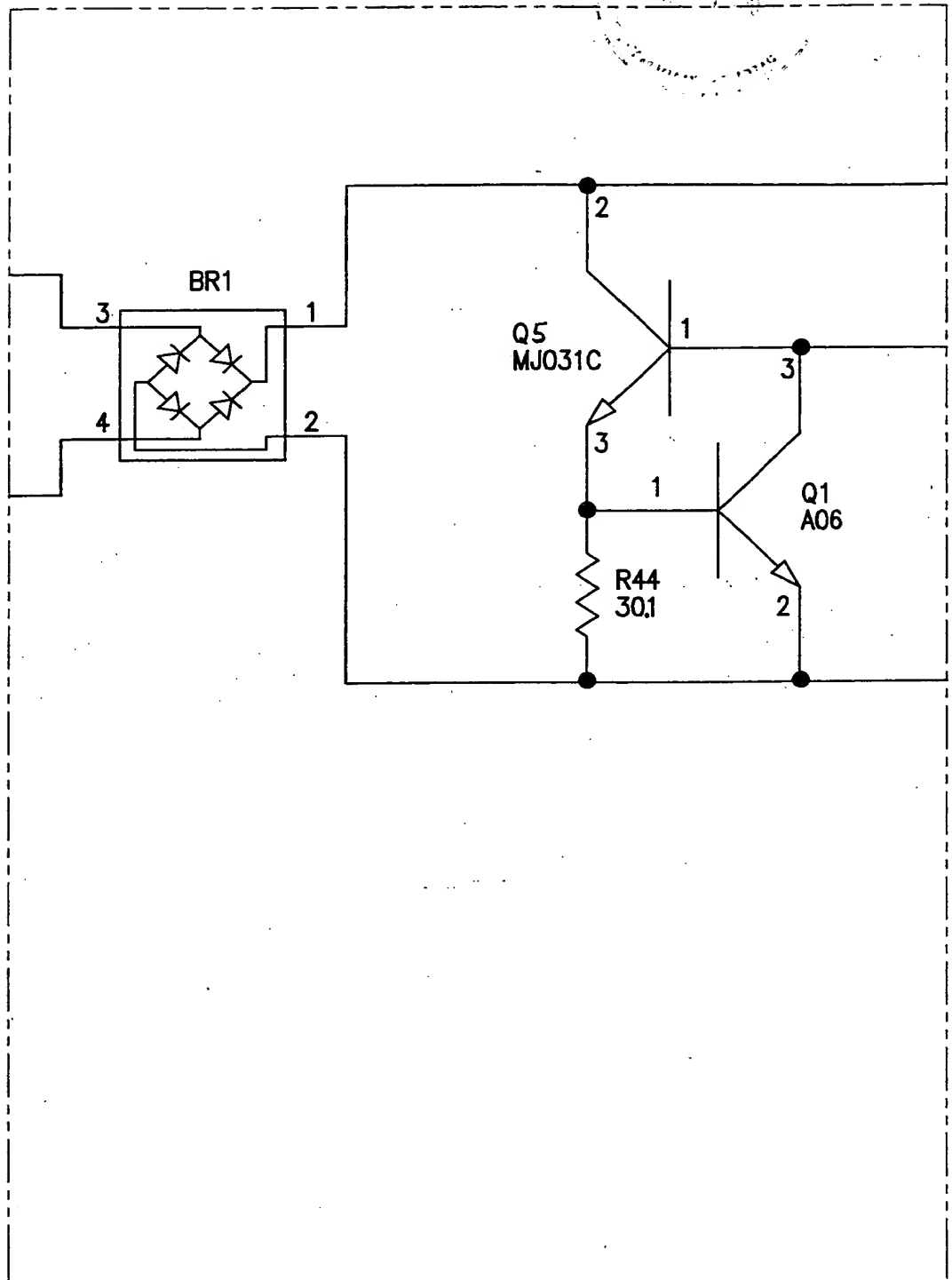
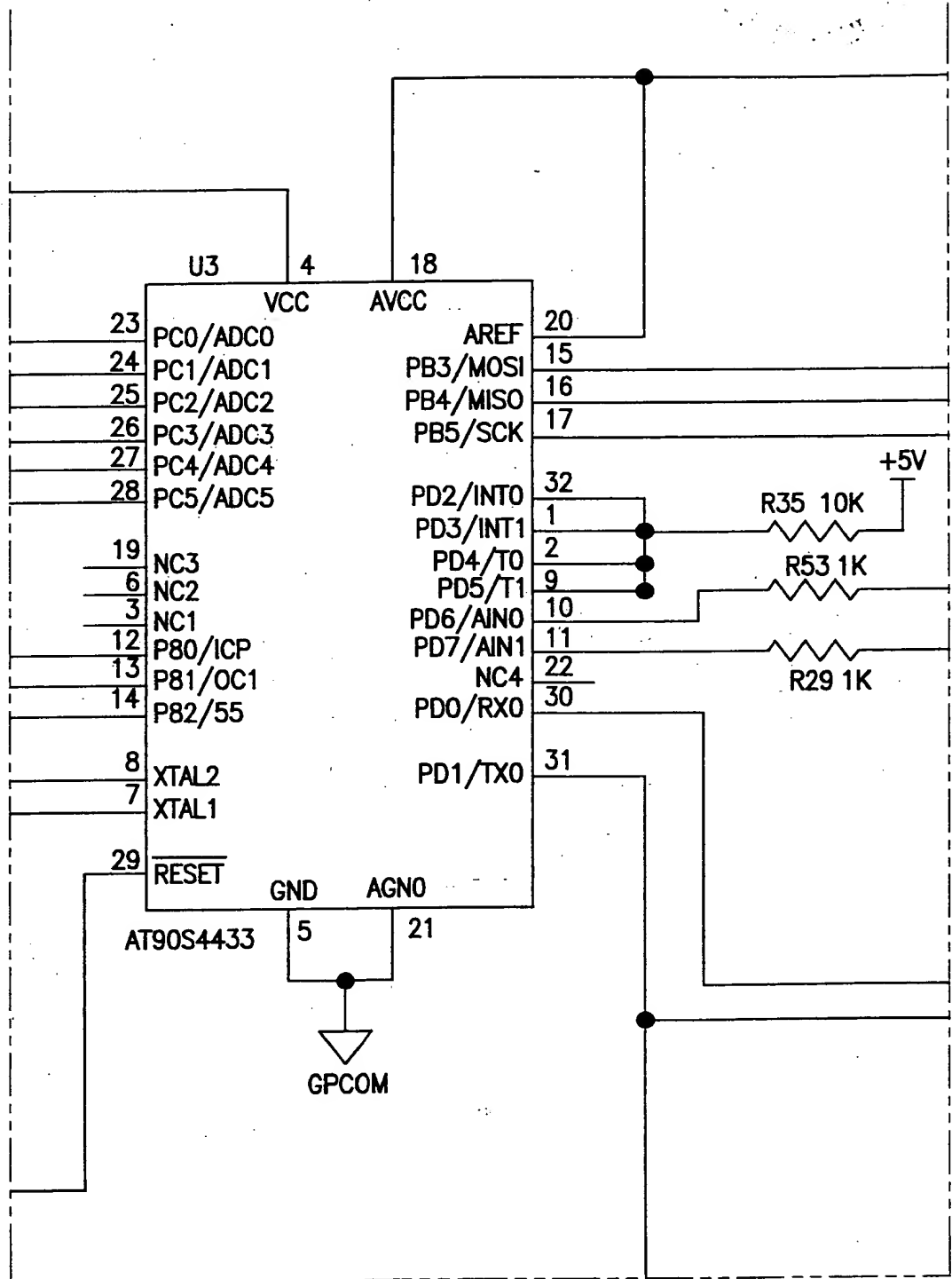
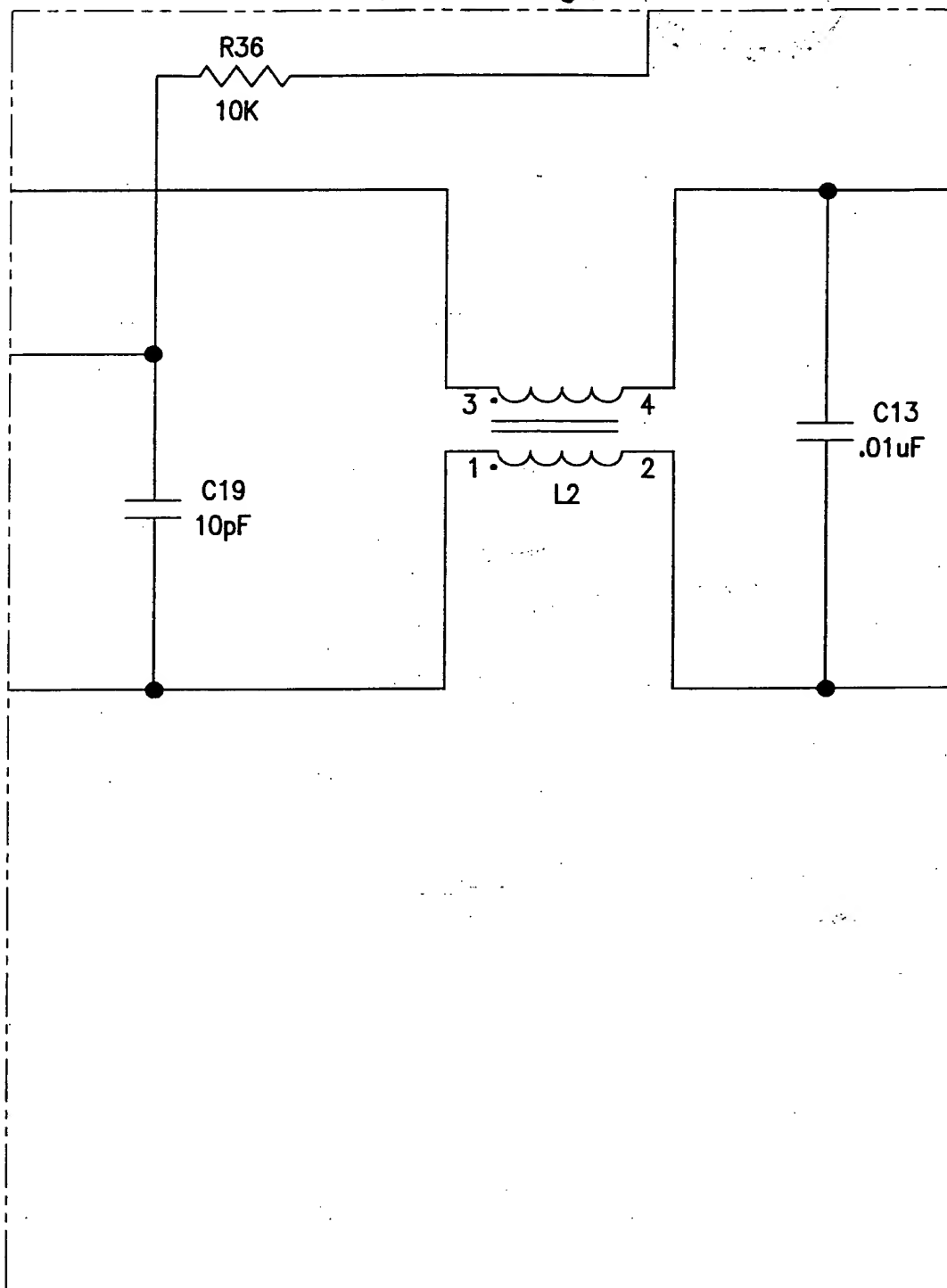
[illegible]

FIG. 70E



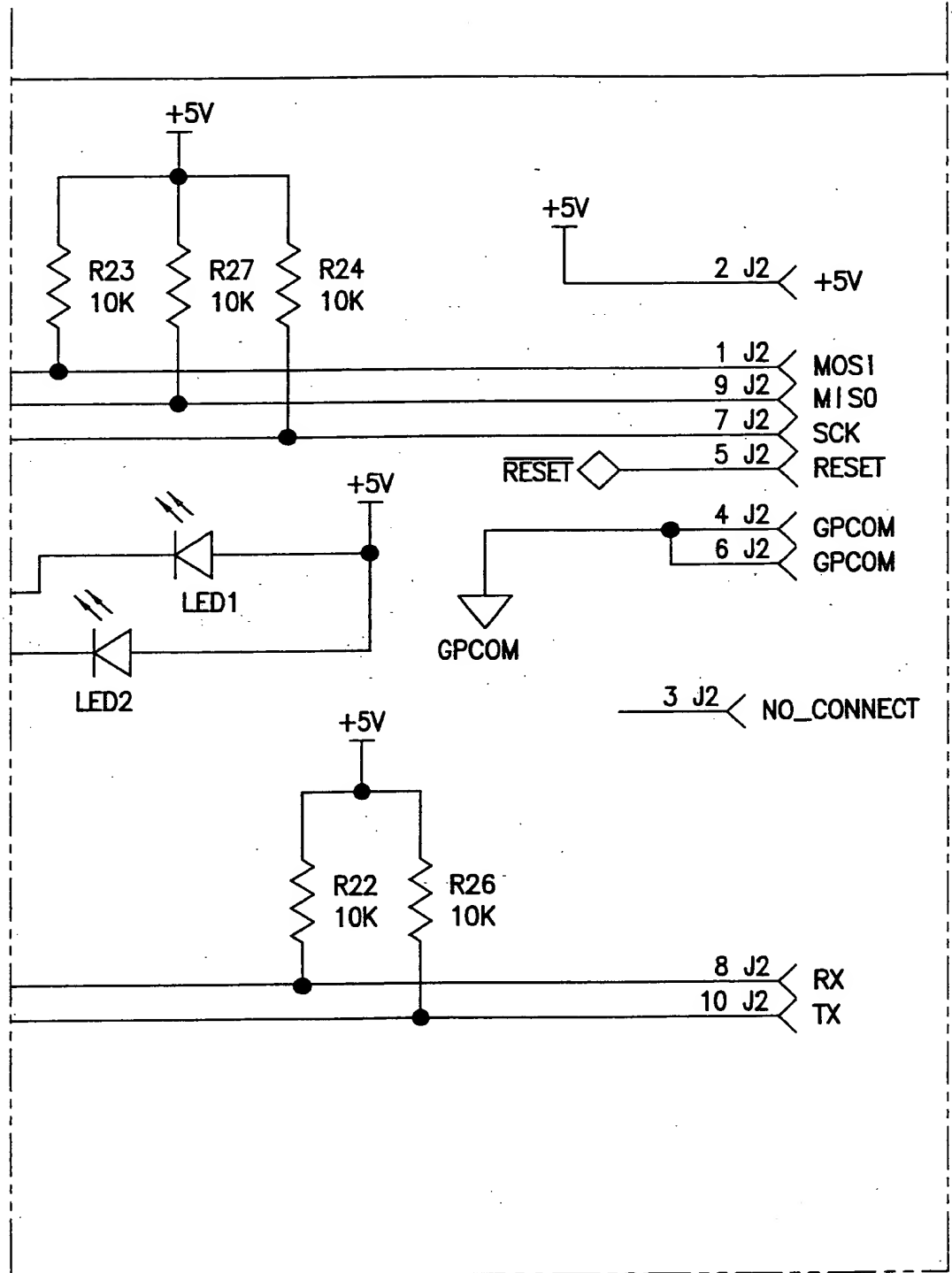
2025-10-20 10:22:00

FIG. 70F

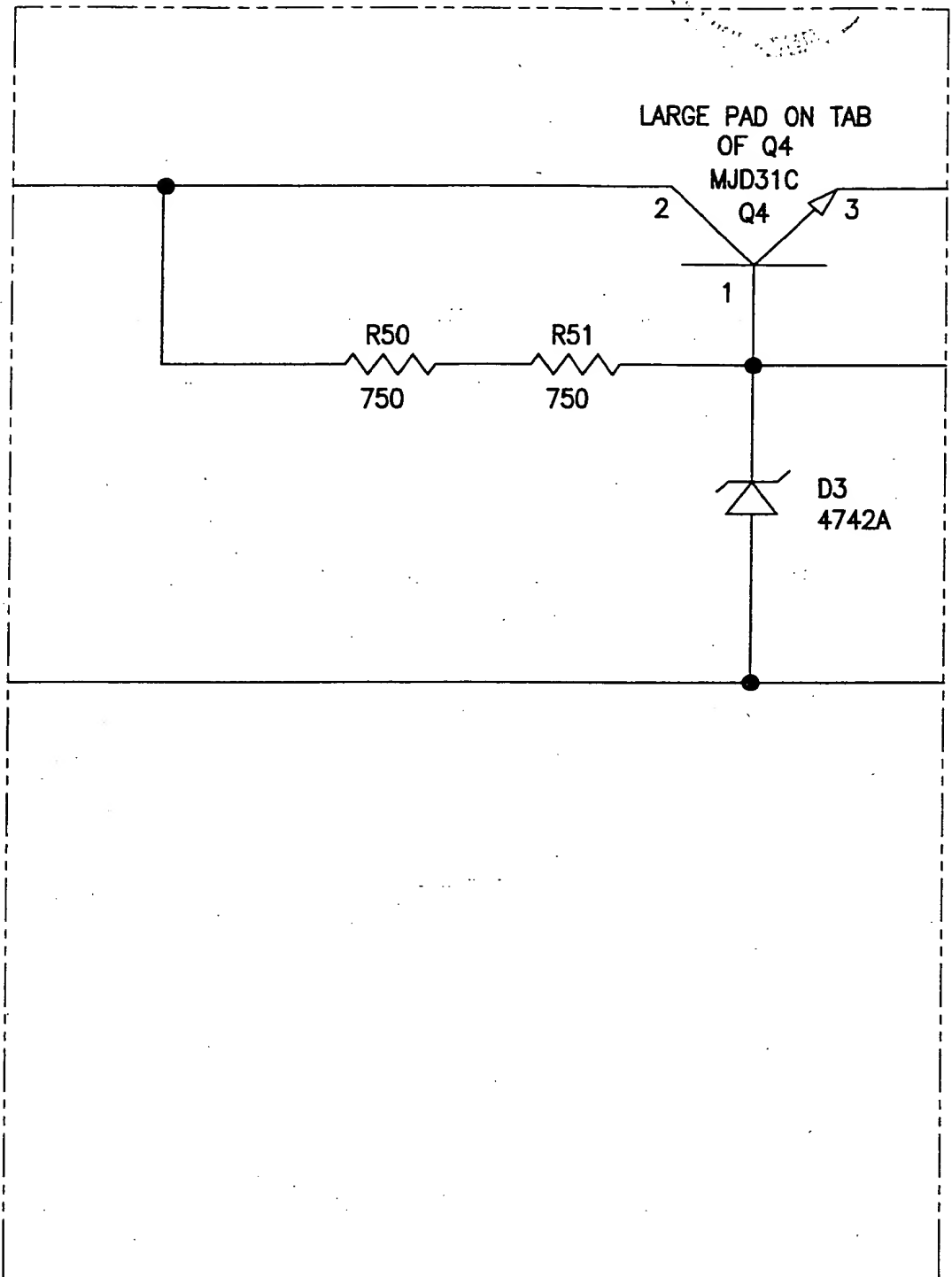


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FIG. 70G



2025-10-20 14:22:00



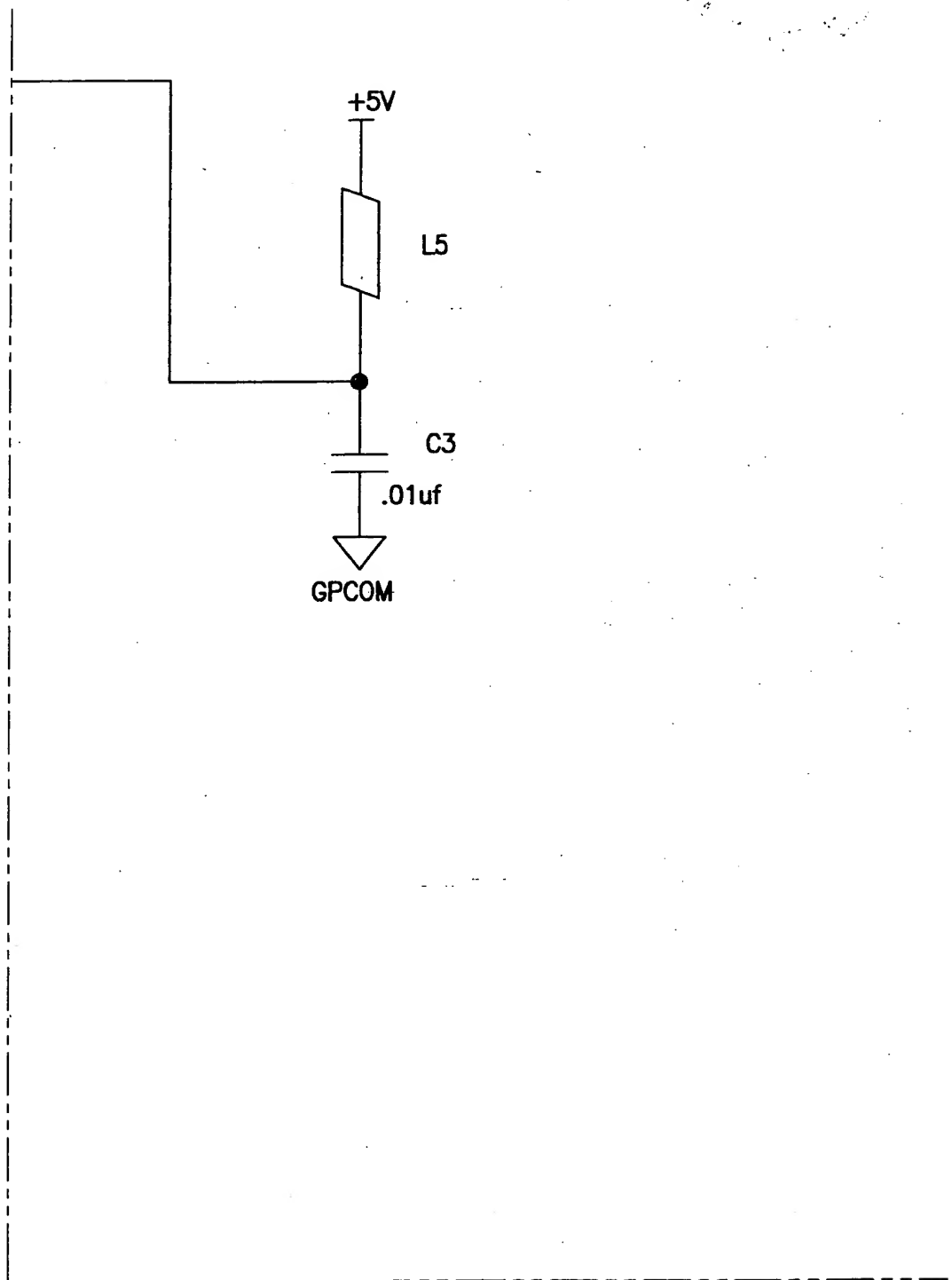
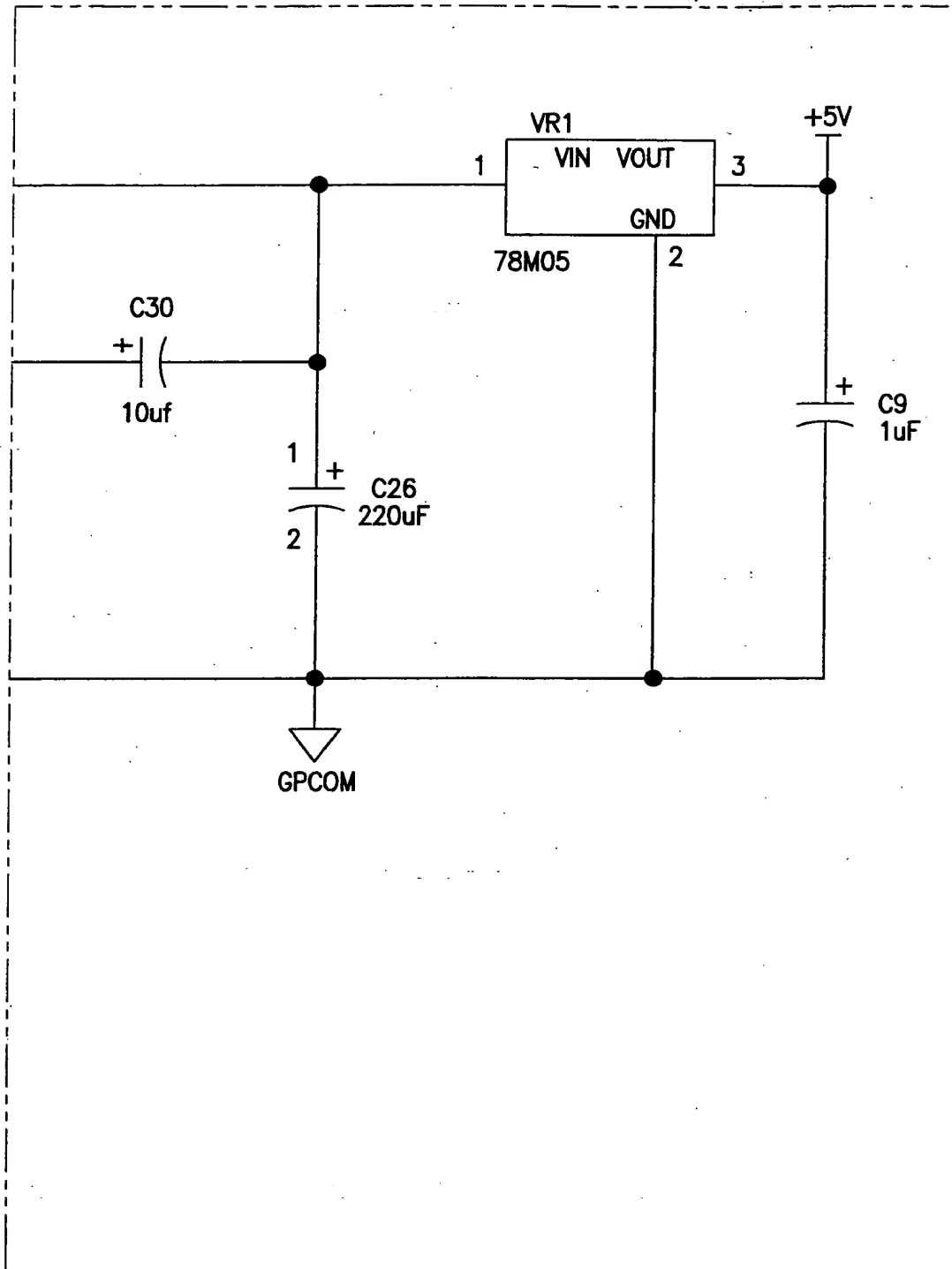


FIG. 70J



200670-20067000

FIG. 71

FIG. 71A	FIG. 71B	FIG. 71C	FIG. 71D
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2025-03-20

FIG. 71A

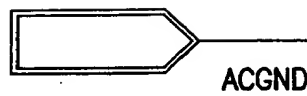
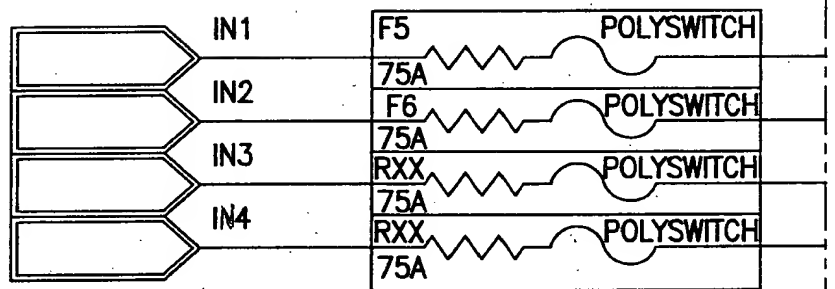
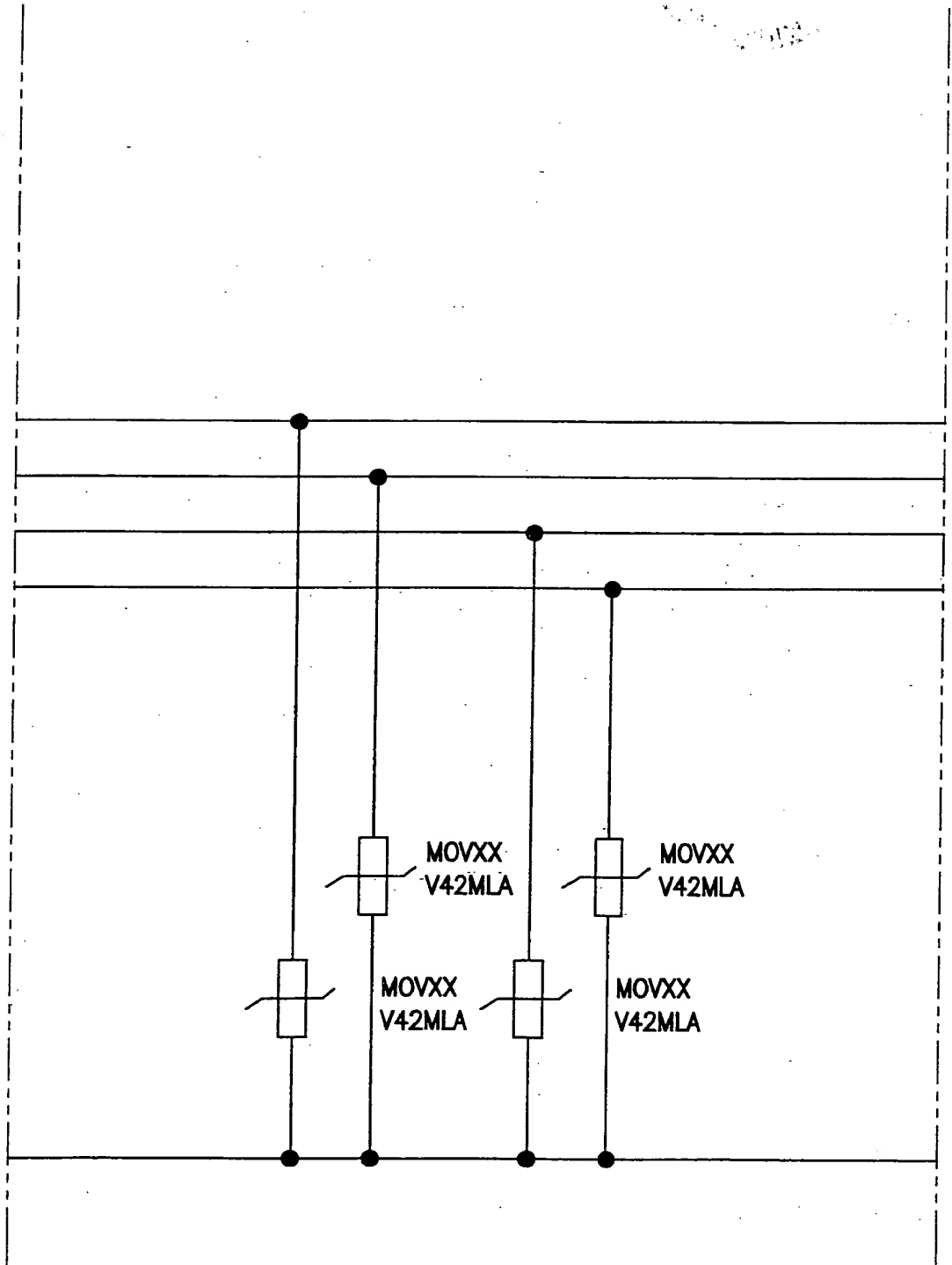
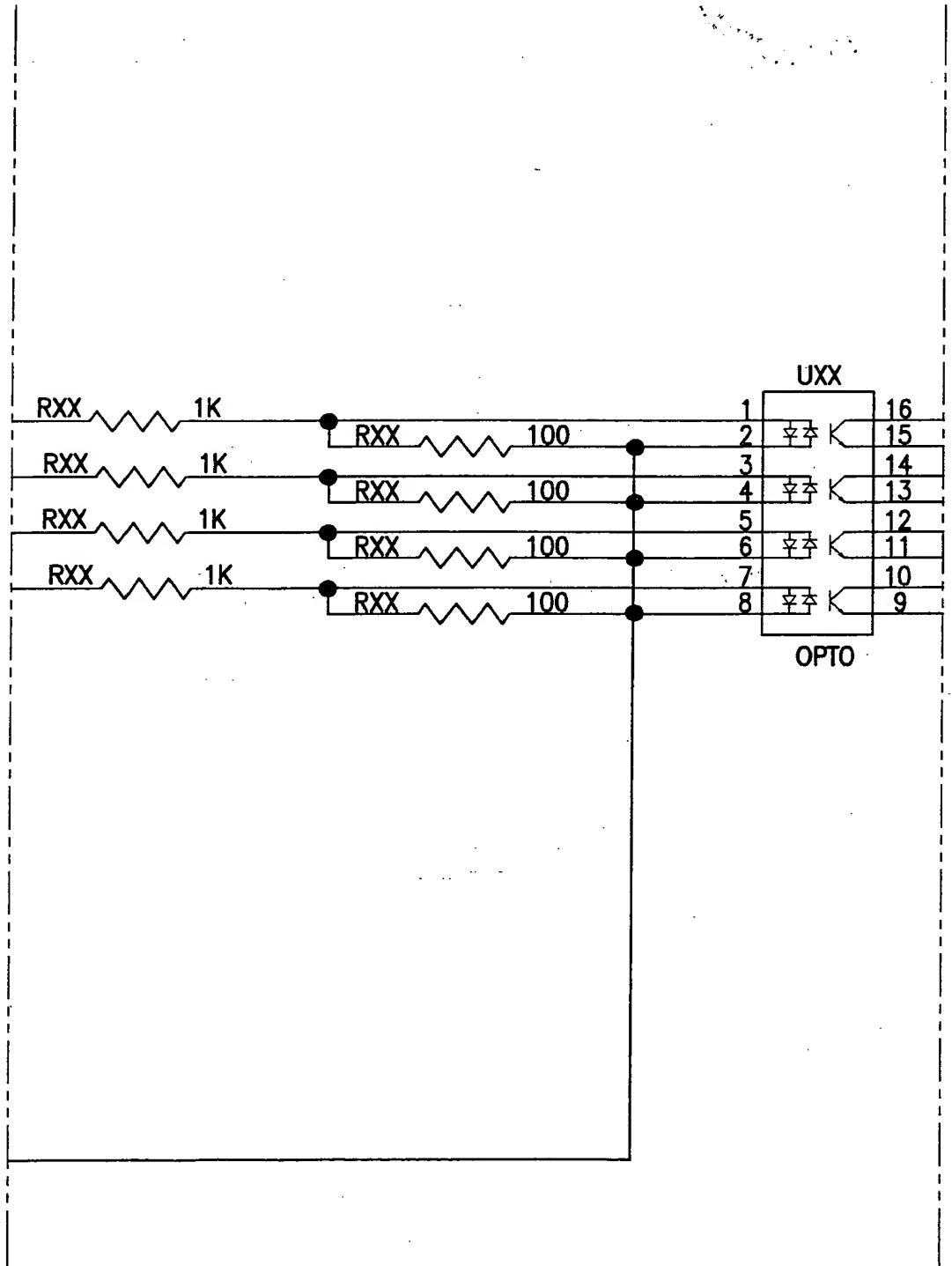


FIG. 71B



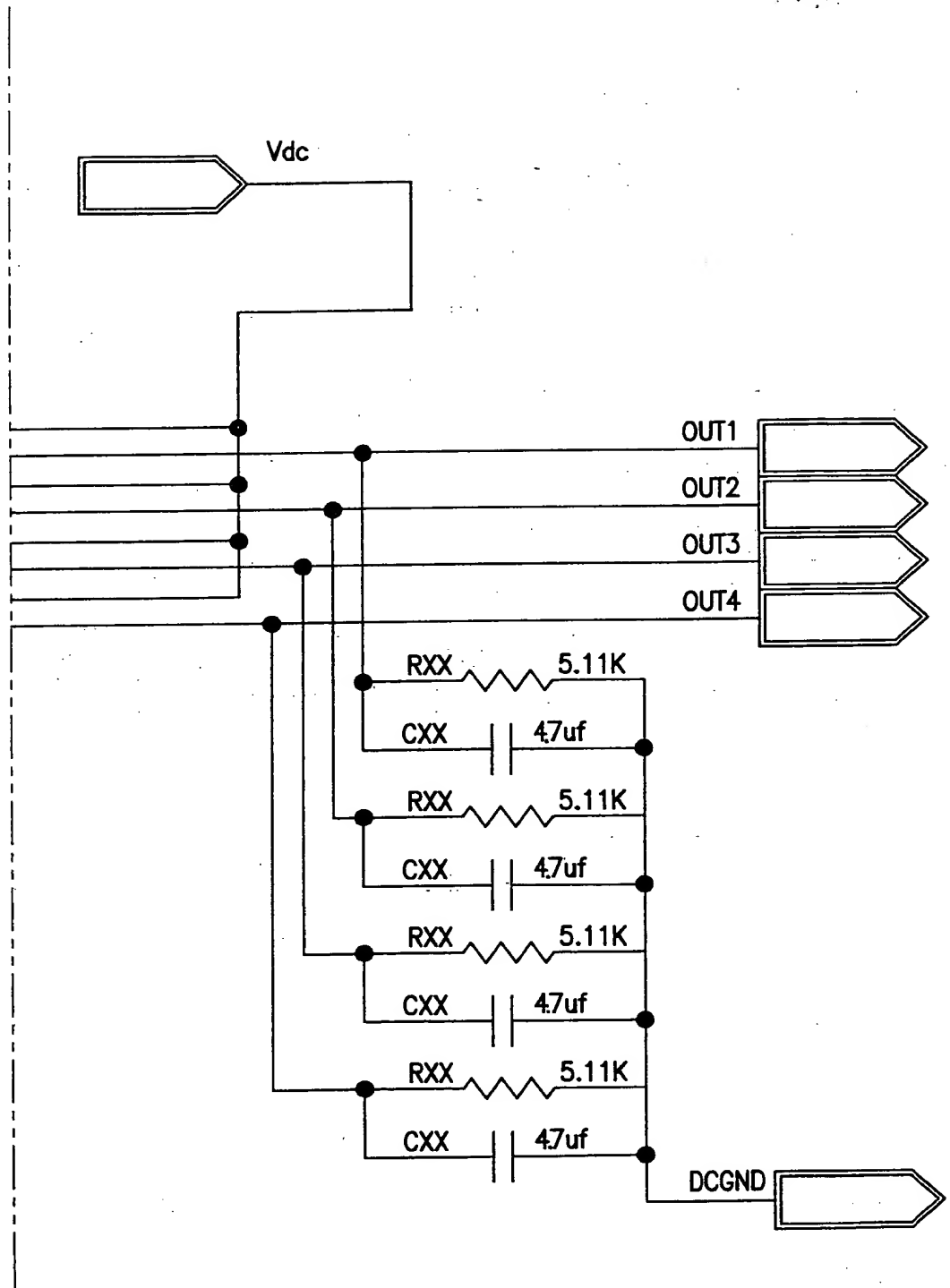
205270-20522000

FIG. 71C



205270-20522000

FIG. 71D



000000-000000

FIG. 67Q

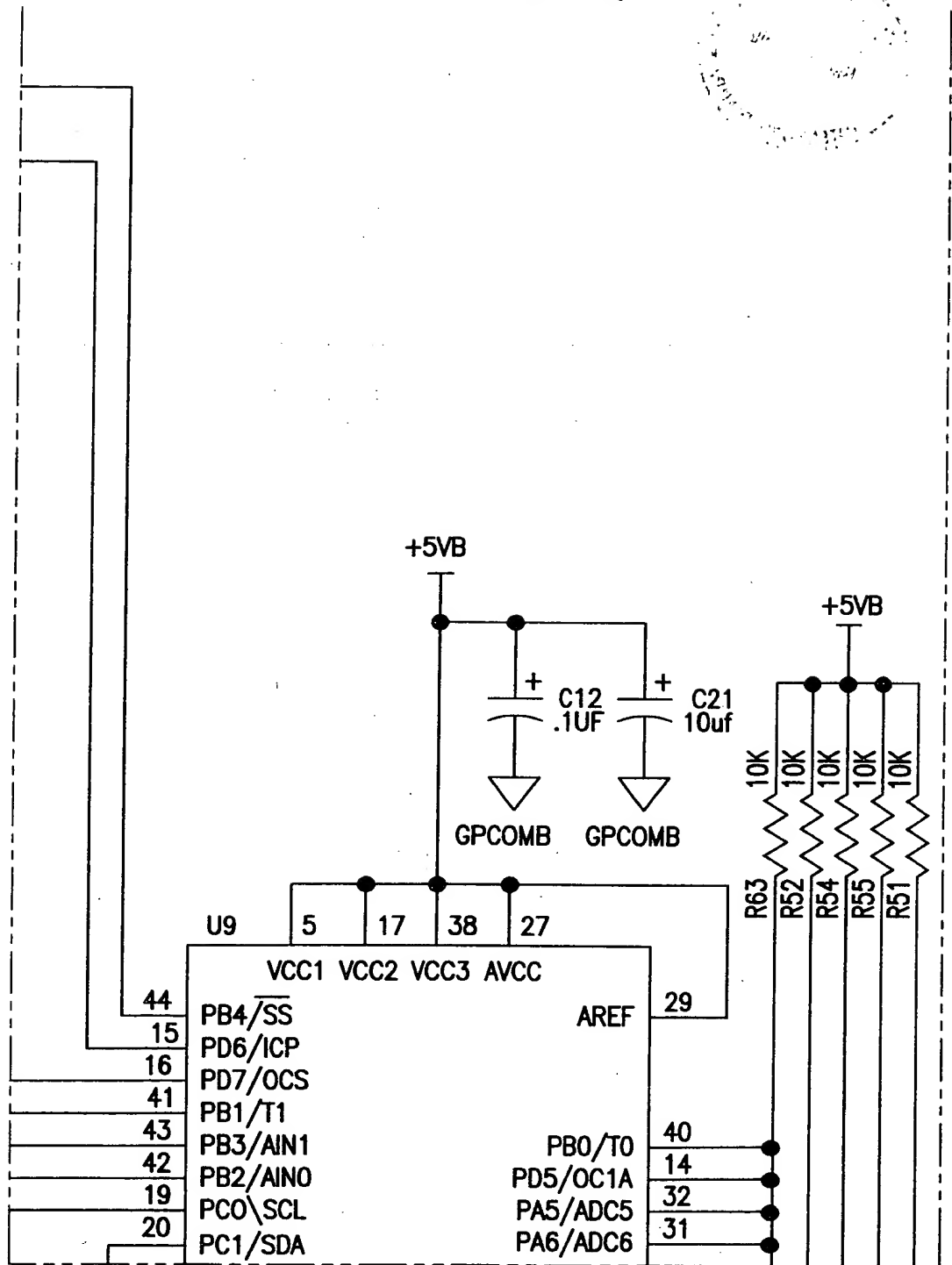
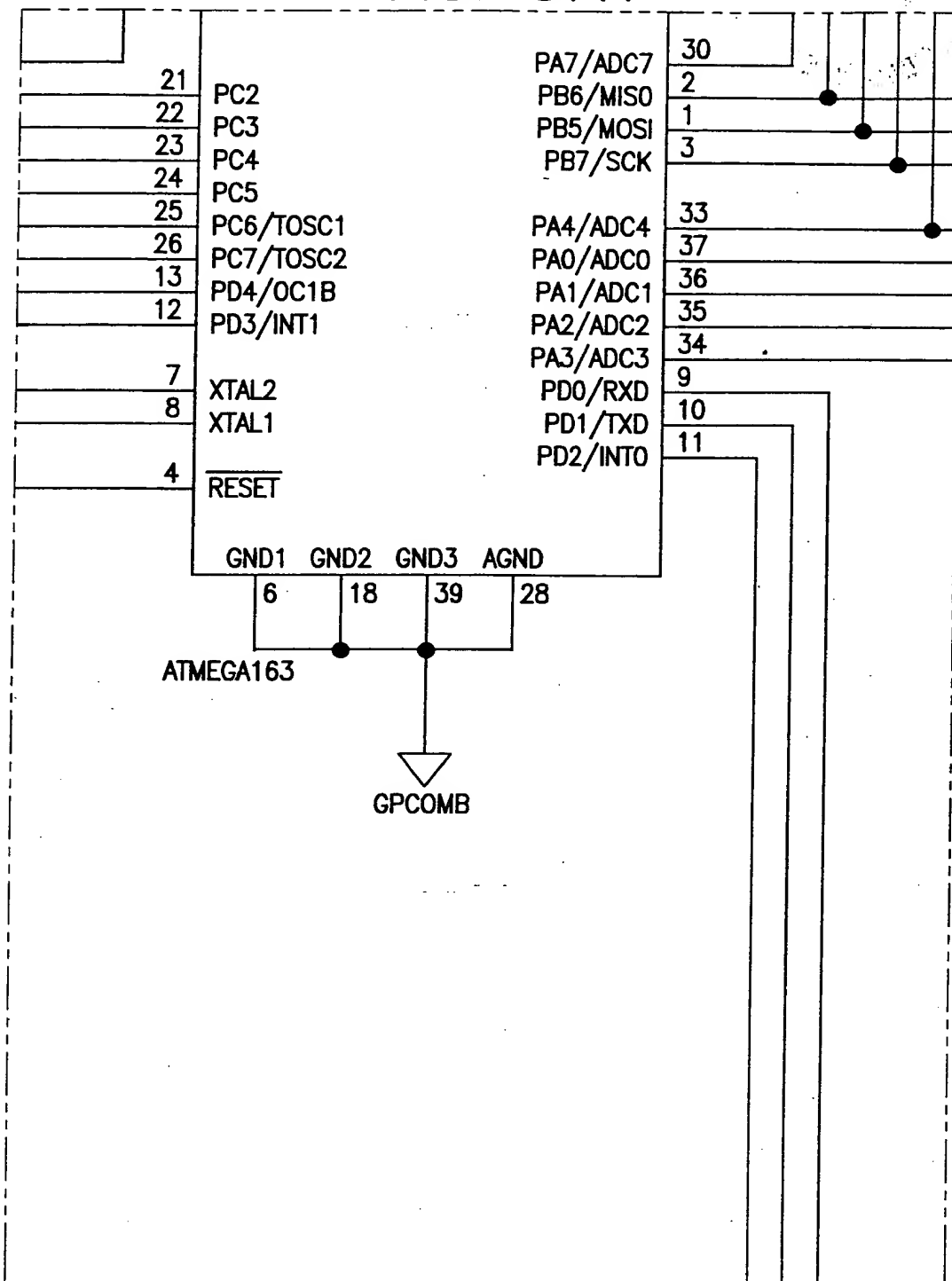
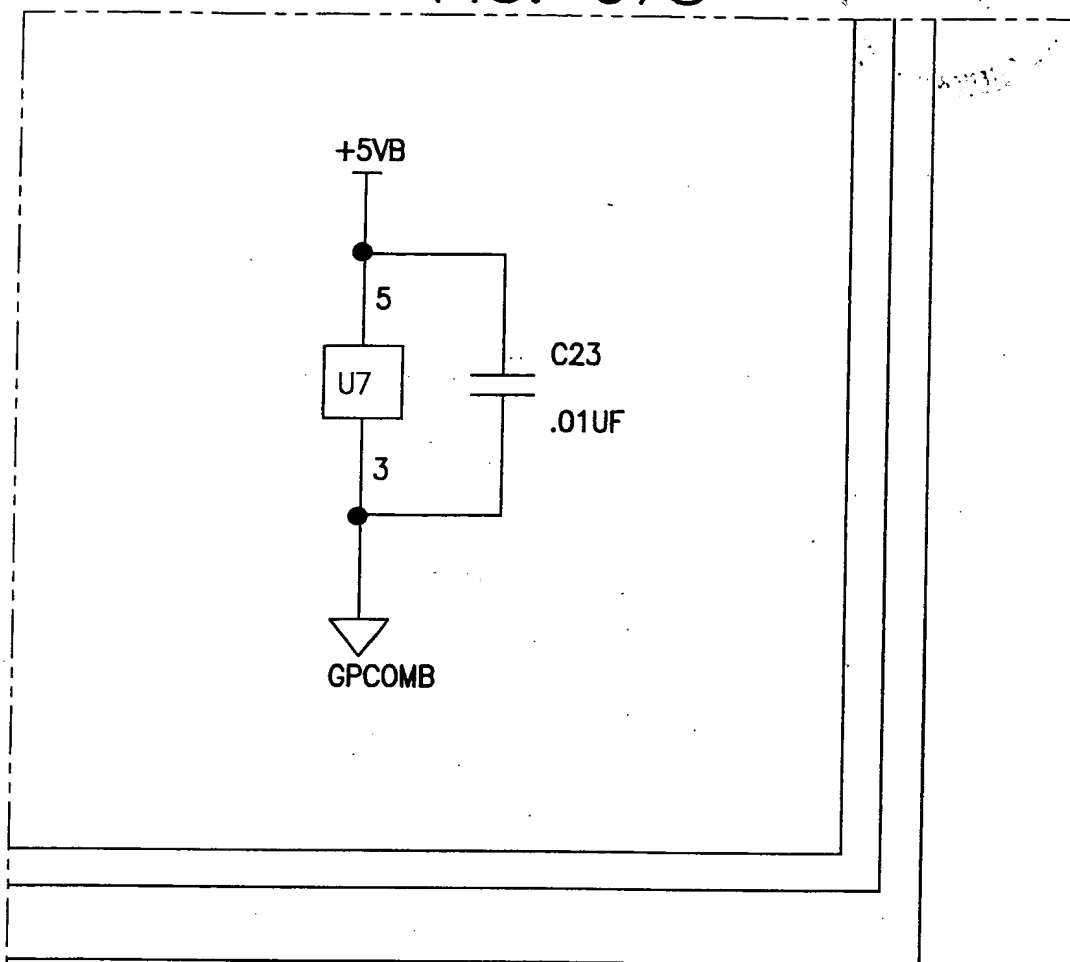


FIG. 67R



[illegible]

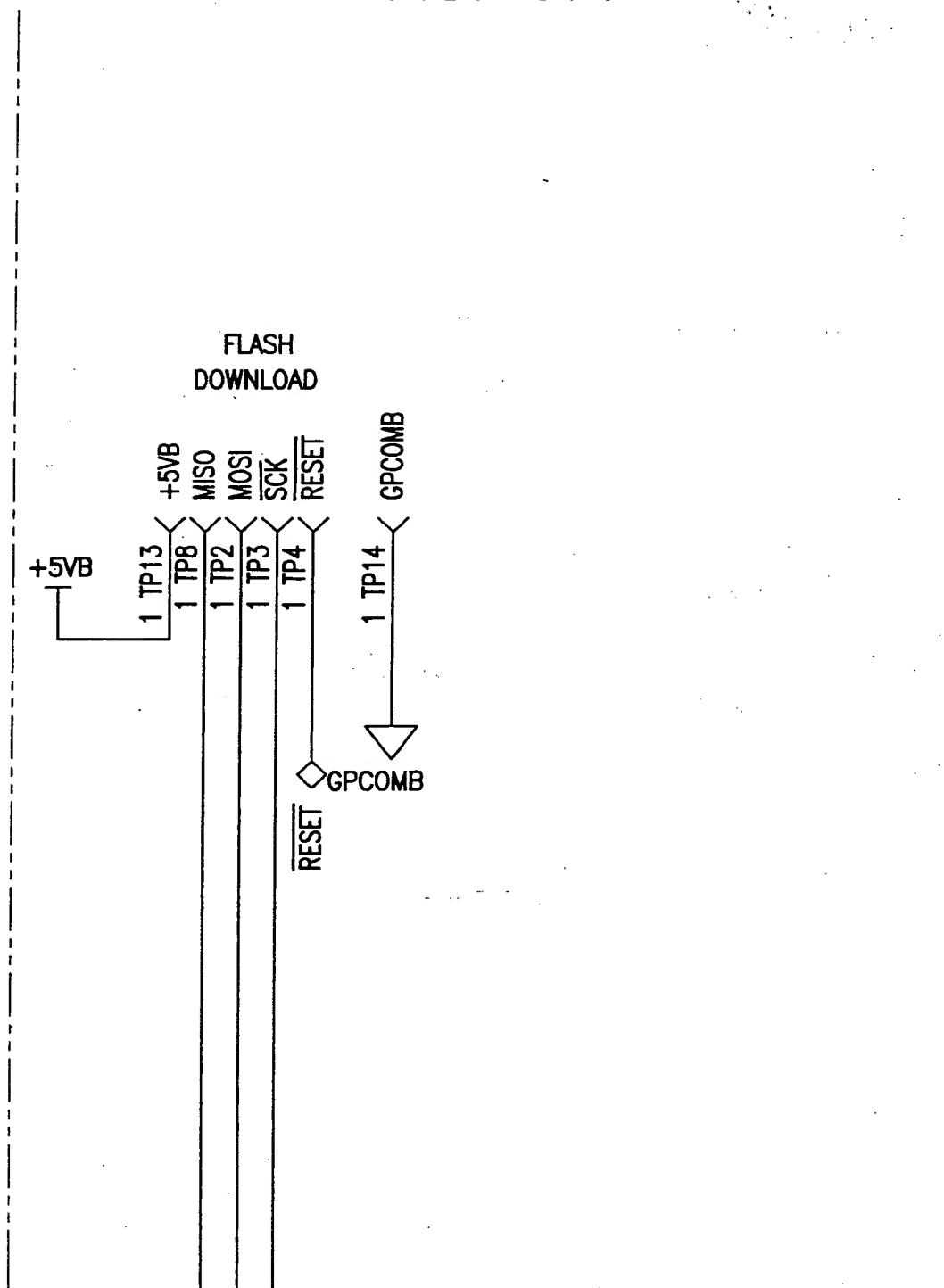
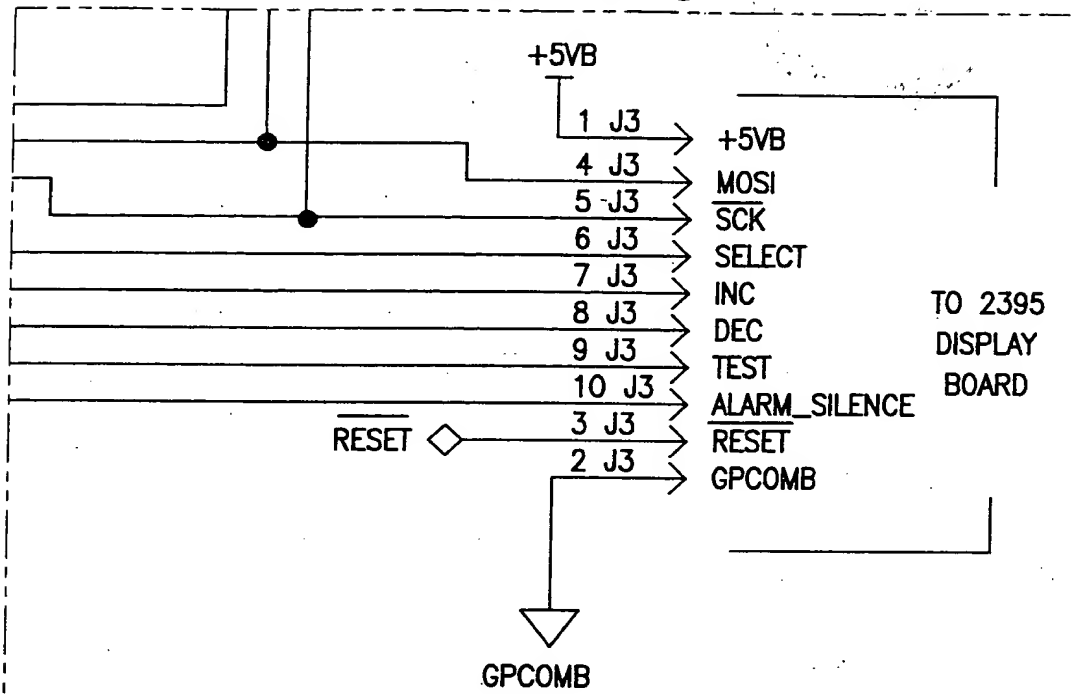


FIG. 67U



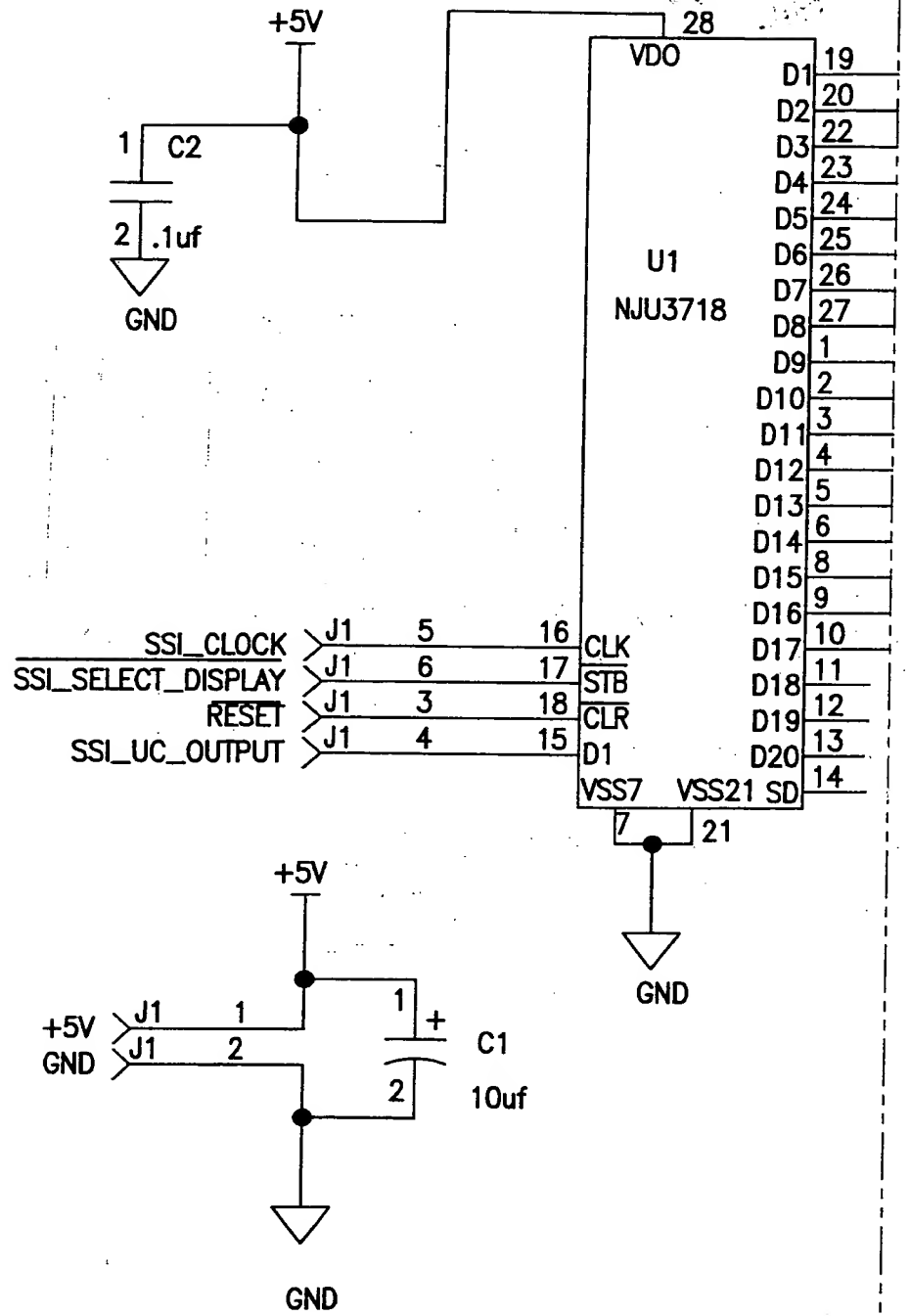
2025-01-20 20:22:00

FIG. 68

	FIG. 68B	FIG. 68D	FIG. 68F	FIG. 68H	
FIG. 68A	FIG. 68C	FIG. 68E	FIG. 68G	FIG. 68I	FIG. 68J

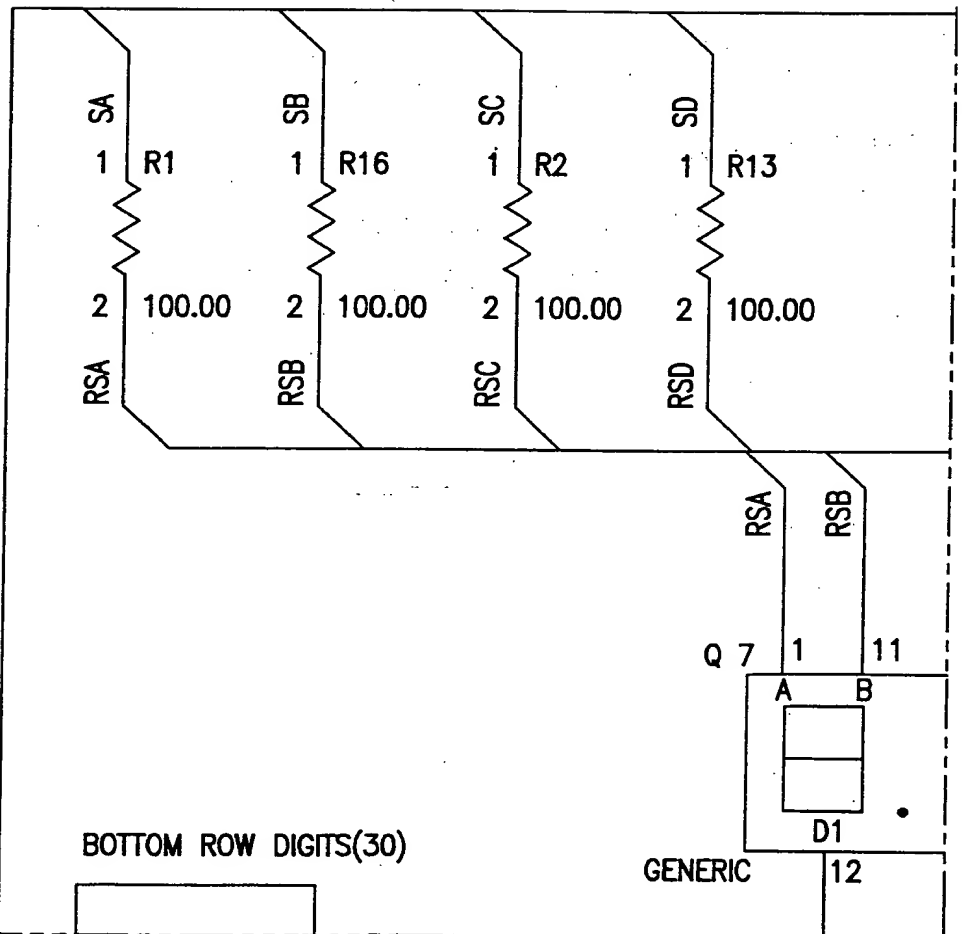
2025-03-14 14:00

FIG. 68 A



202510-20522600

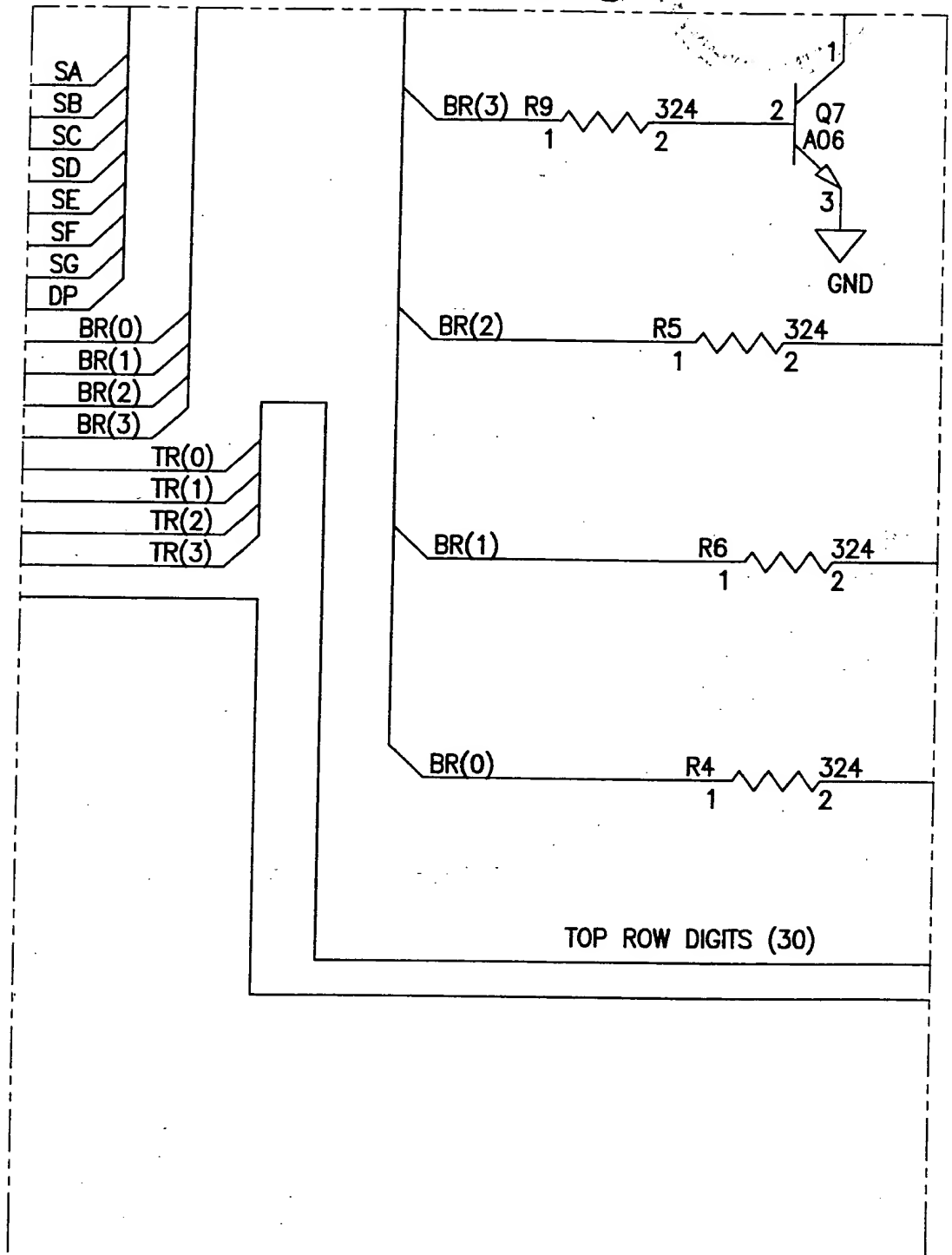
FIG. 68B



202510-20922000

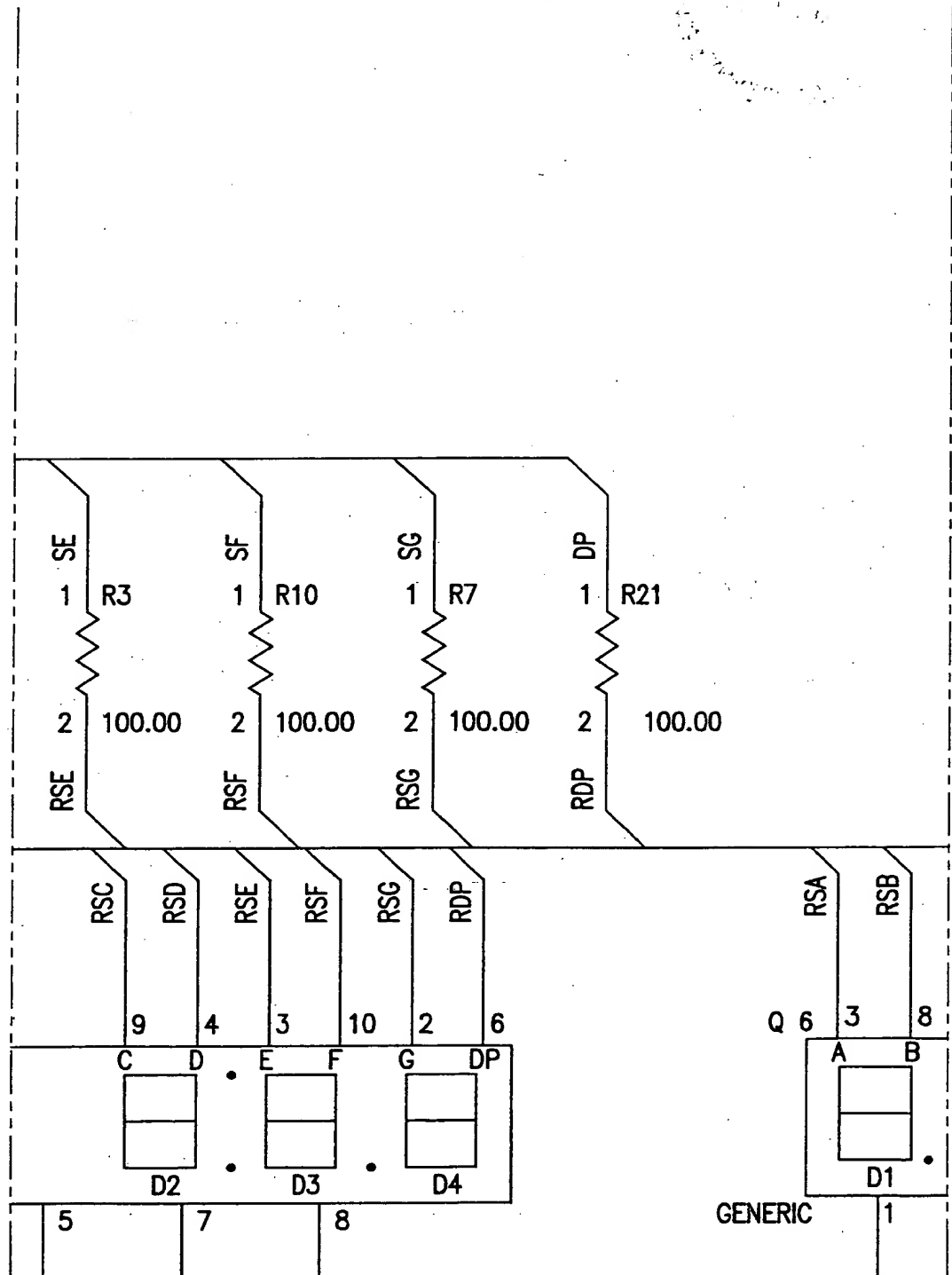
200210-20522000

FIG. 68 C



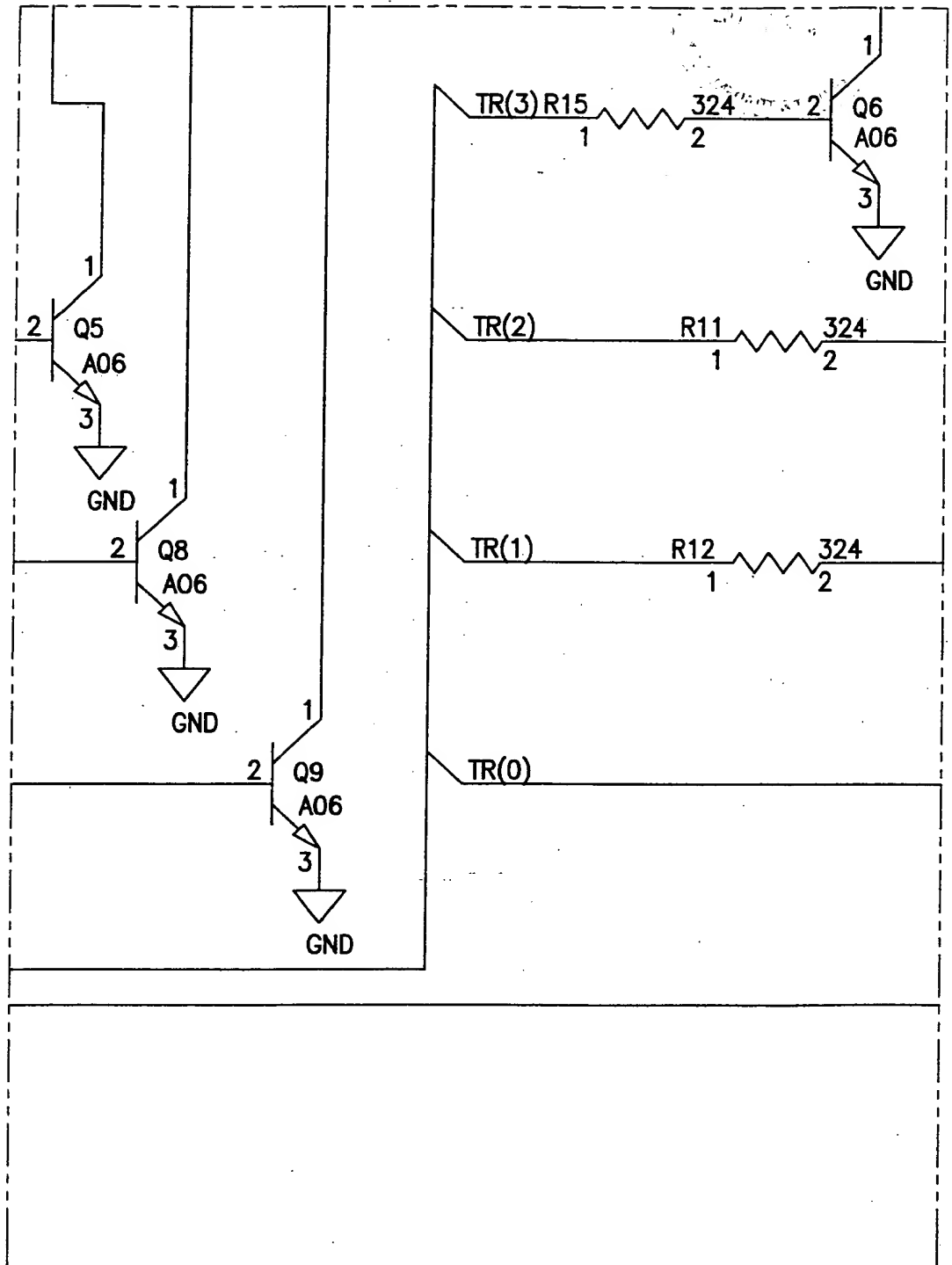
208210-20522600

FIG. 68 D



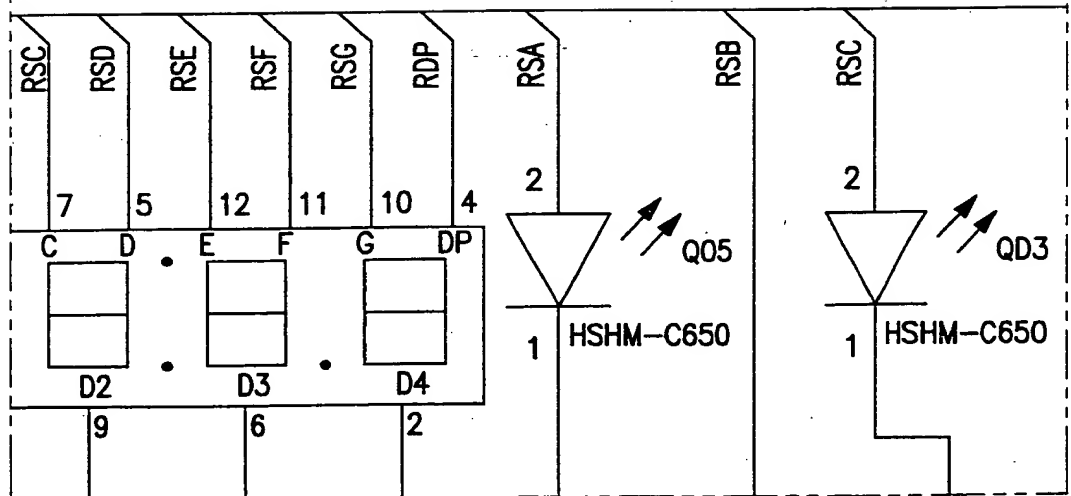
205220-20522000

FIG. 68 E



203210-2092200

FIG. 68 F



203270-20322000

FIG. 68 G

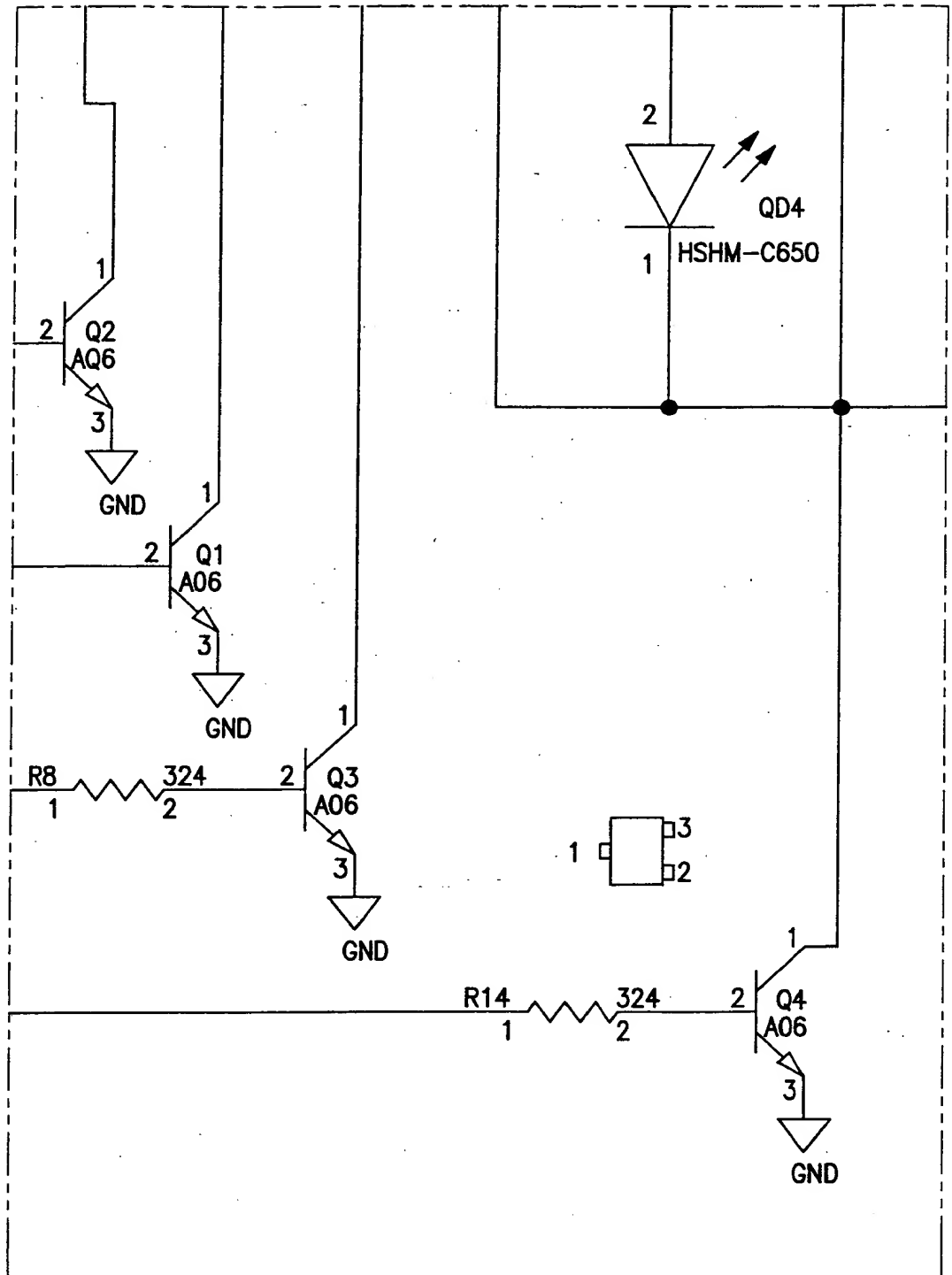
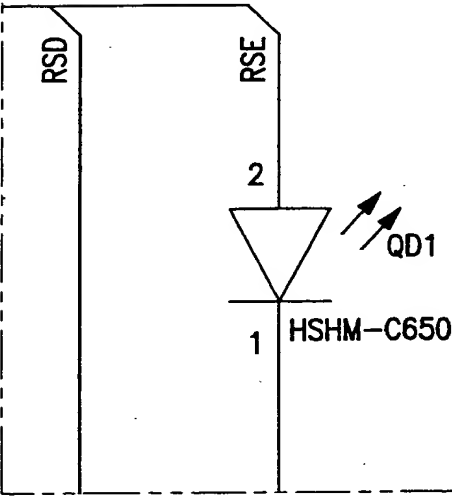
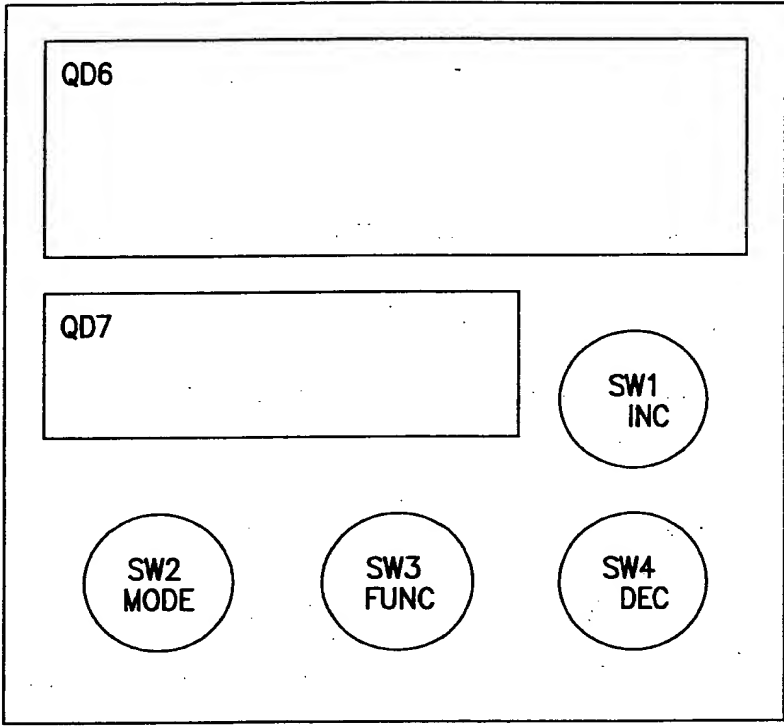
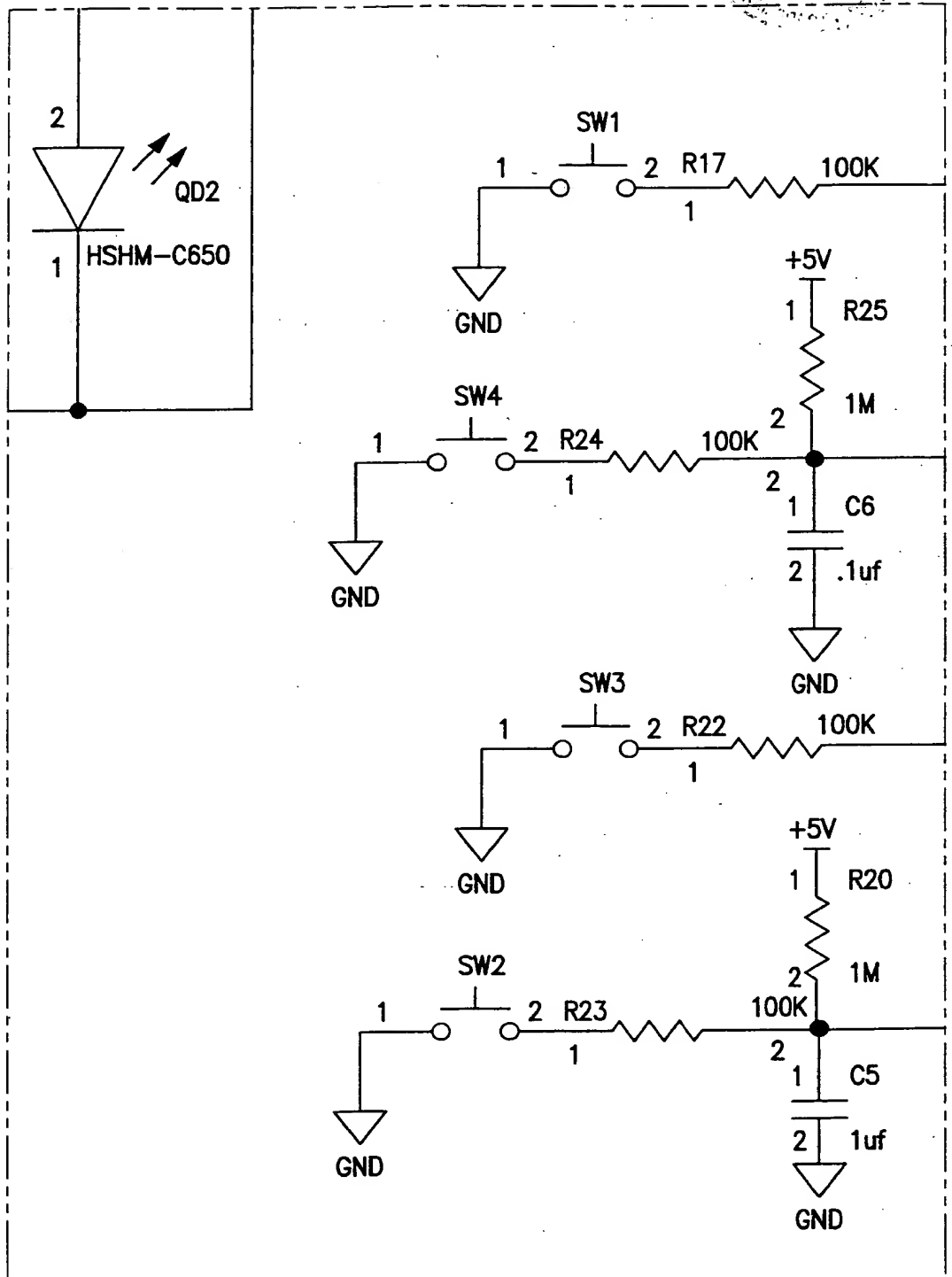


FIG. 68 H



202270-2052200

FIG. 681



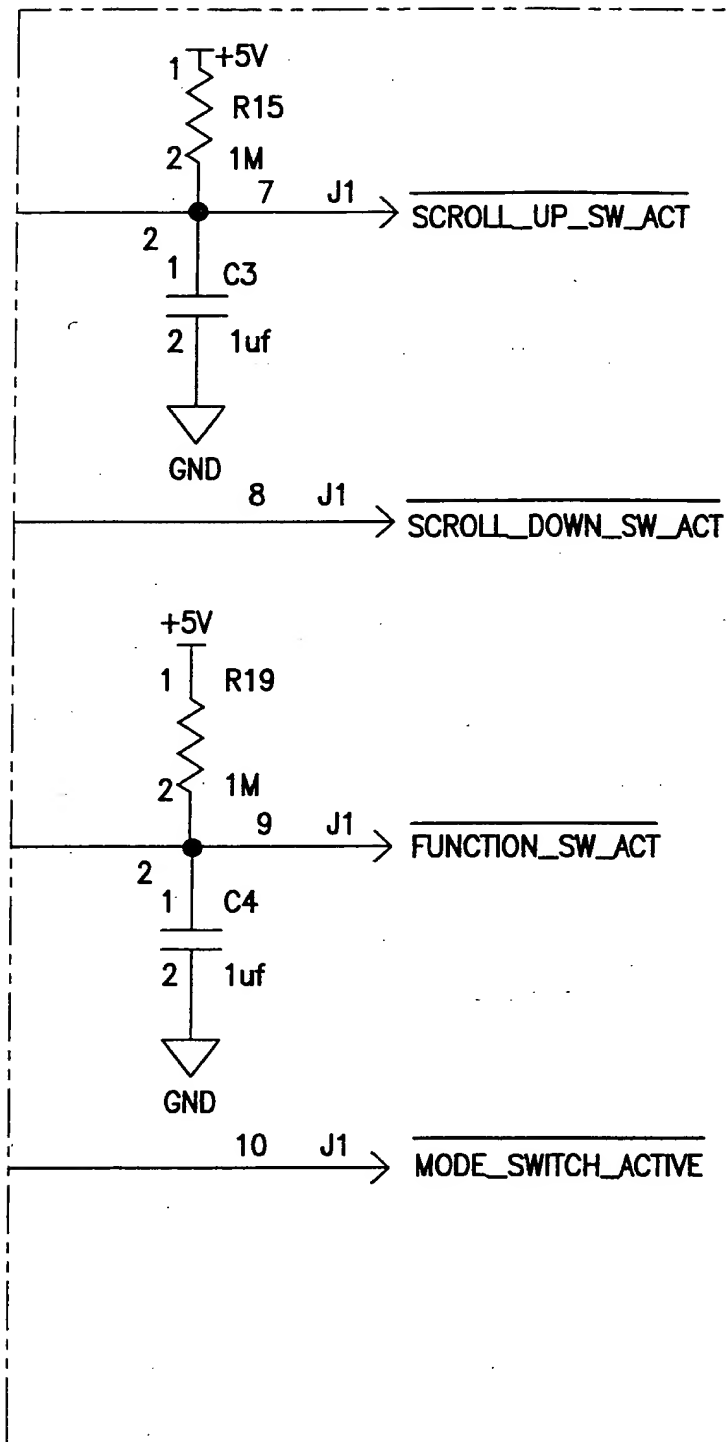


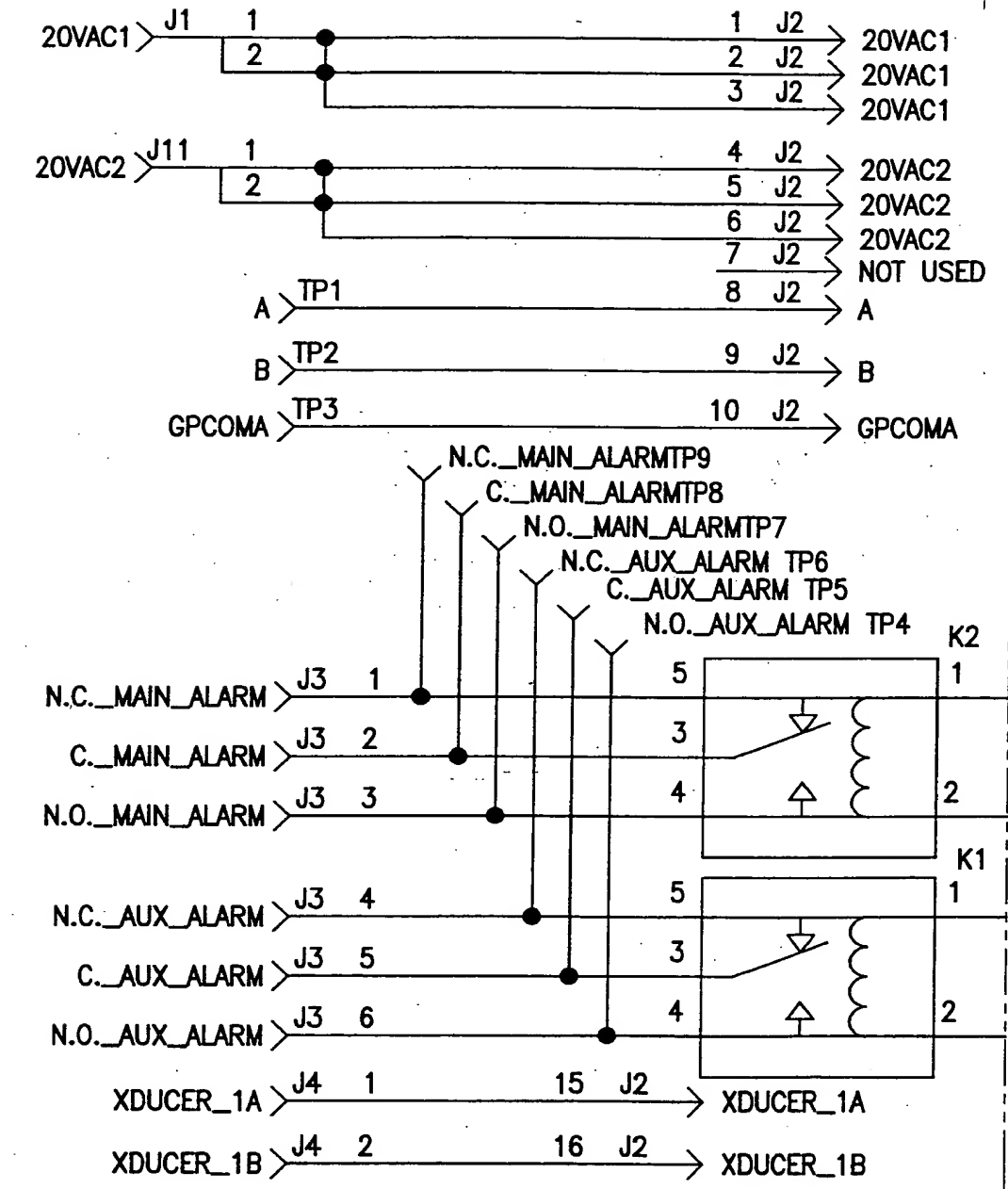
FIG. 69



FIG. 69A	FIG. 69C
FIG. 69B	

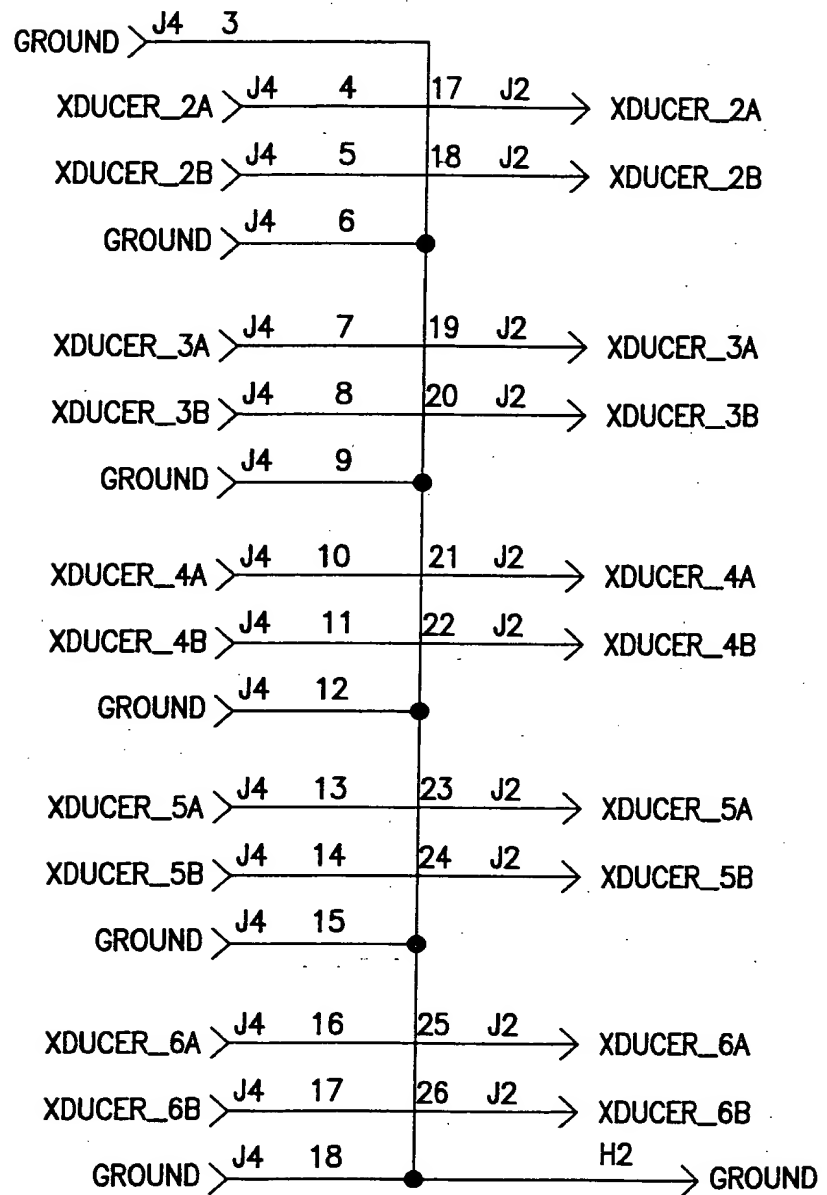
2025-03-26 10:00

FIG. 69A



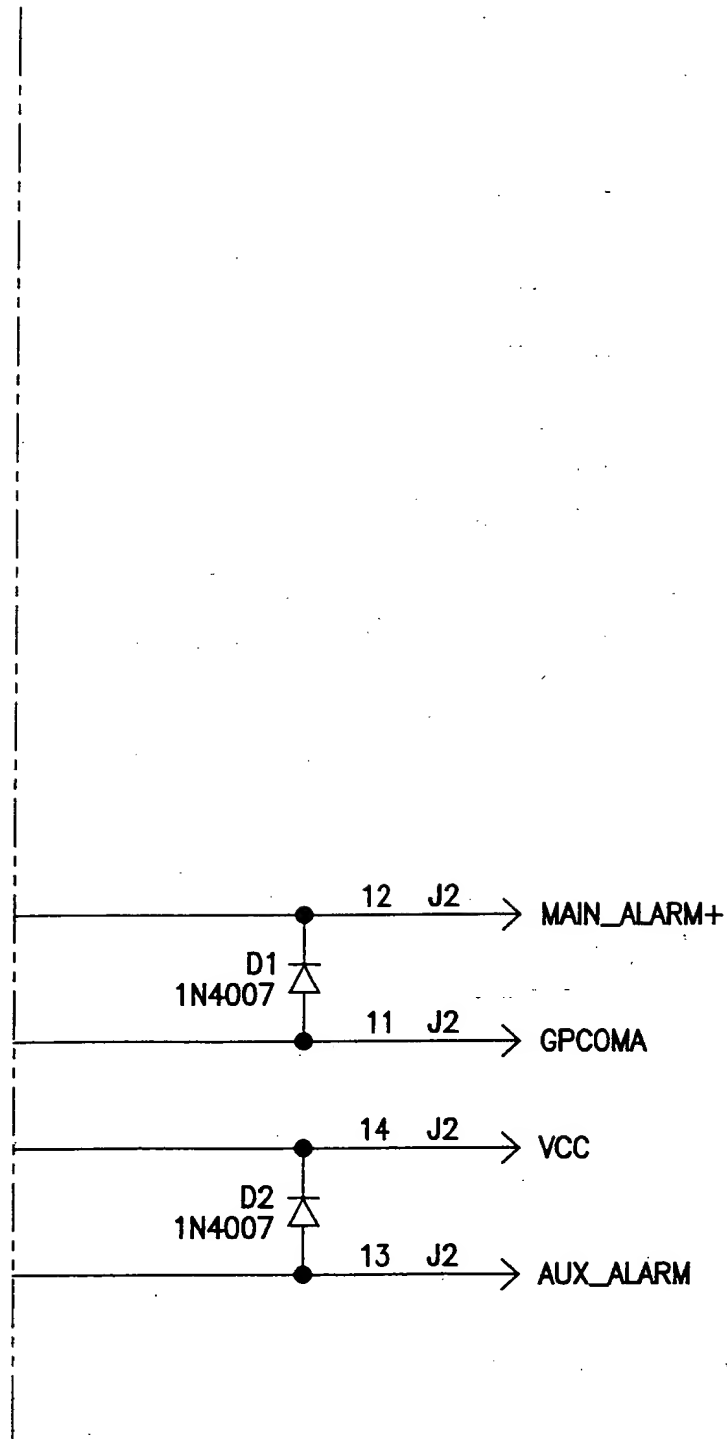
00000000-010000

FIG. 69B



2025-03-20 14:20:00

FIG. 69C



205220 20522000